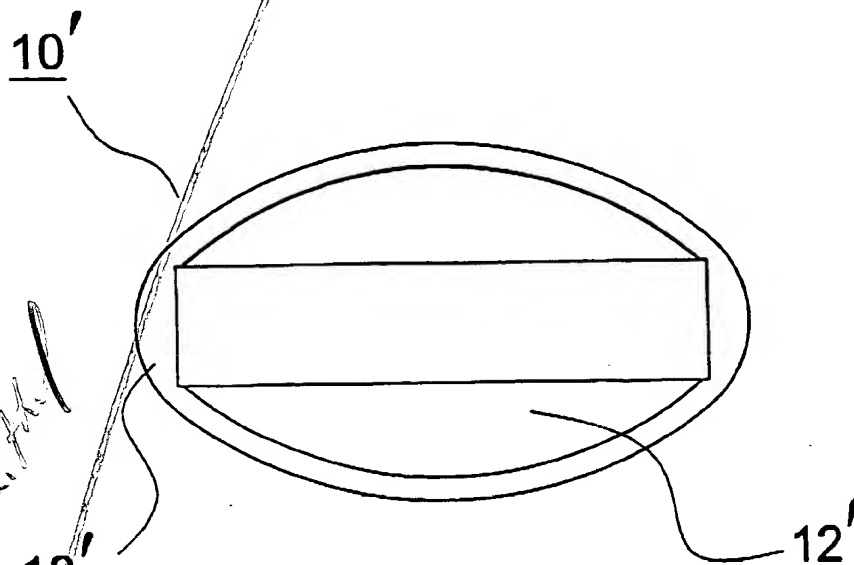
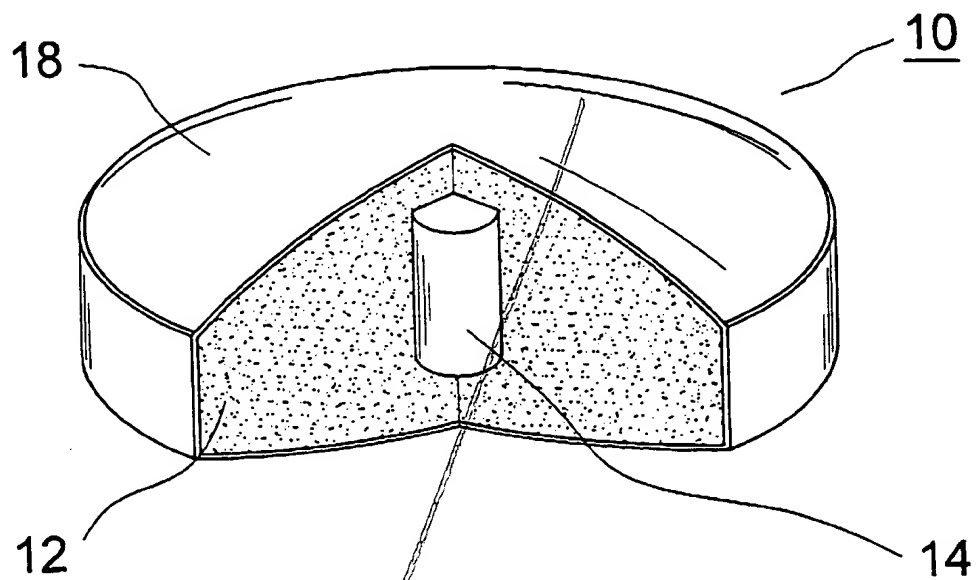


09599660 60599660



*Corrected  
Replaced by  
drawings submitted  
5/13/08*

0996509-092801

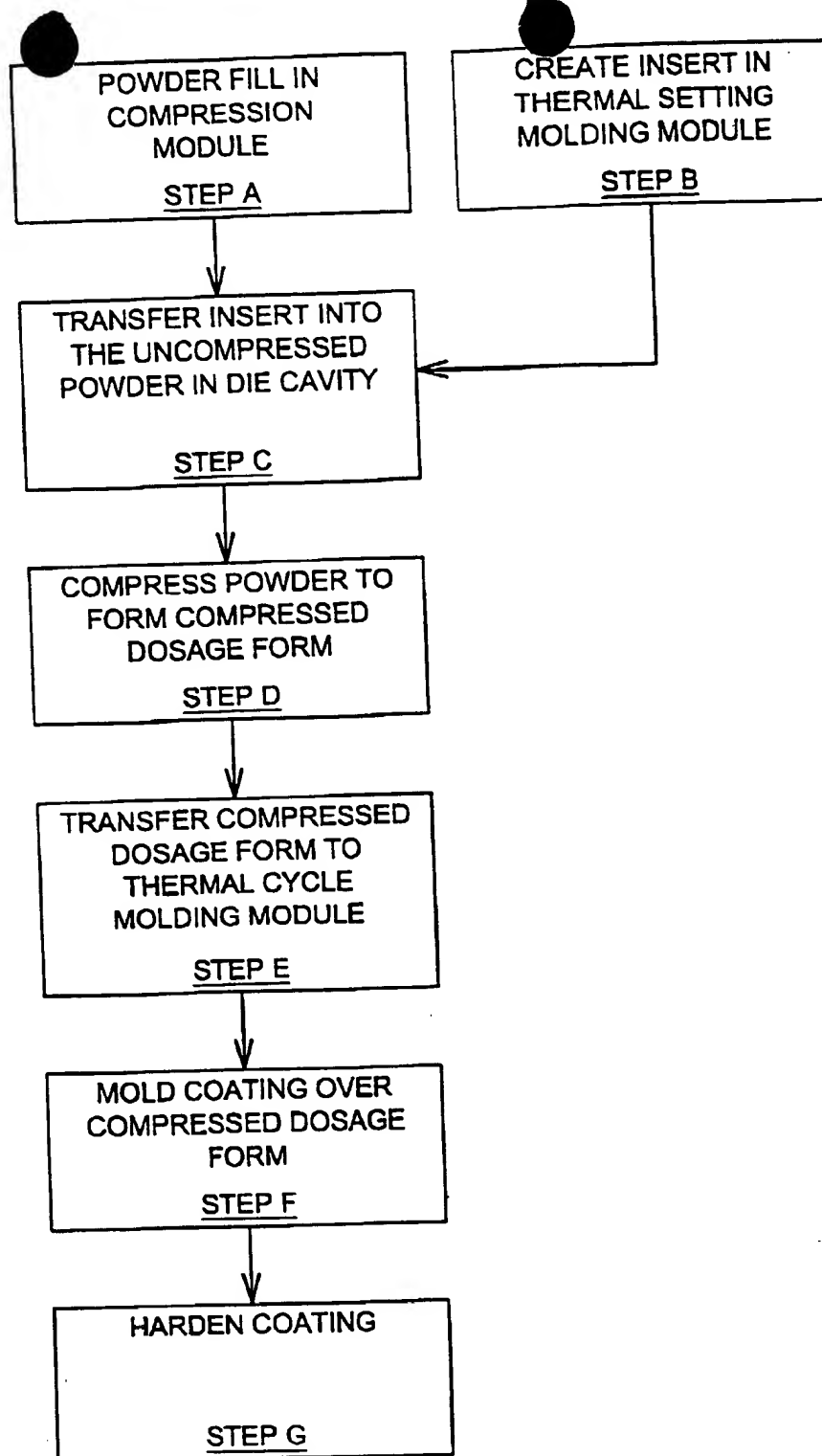


FIG. 2

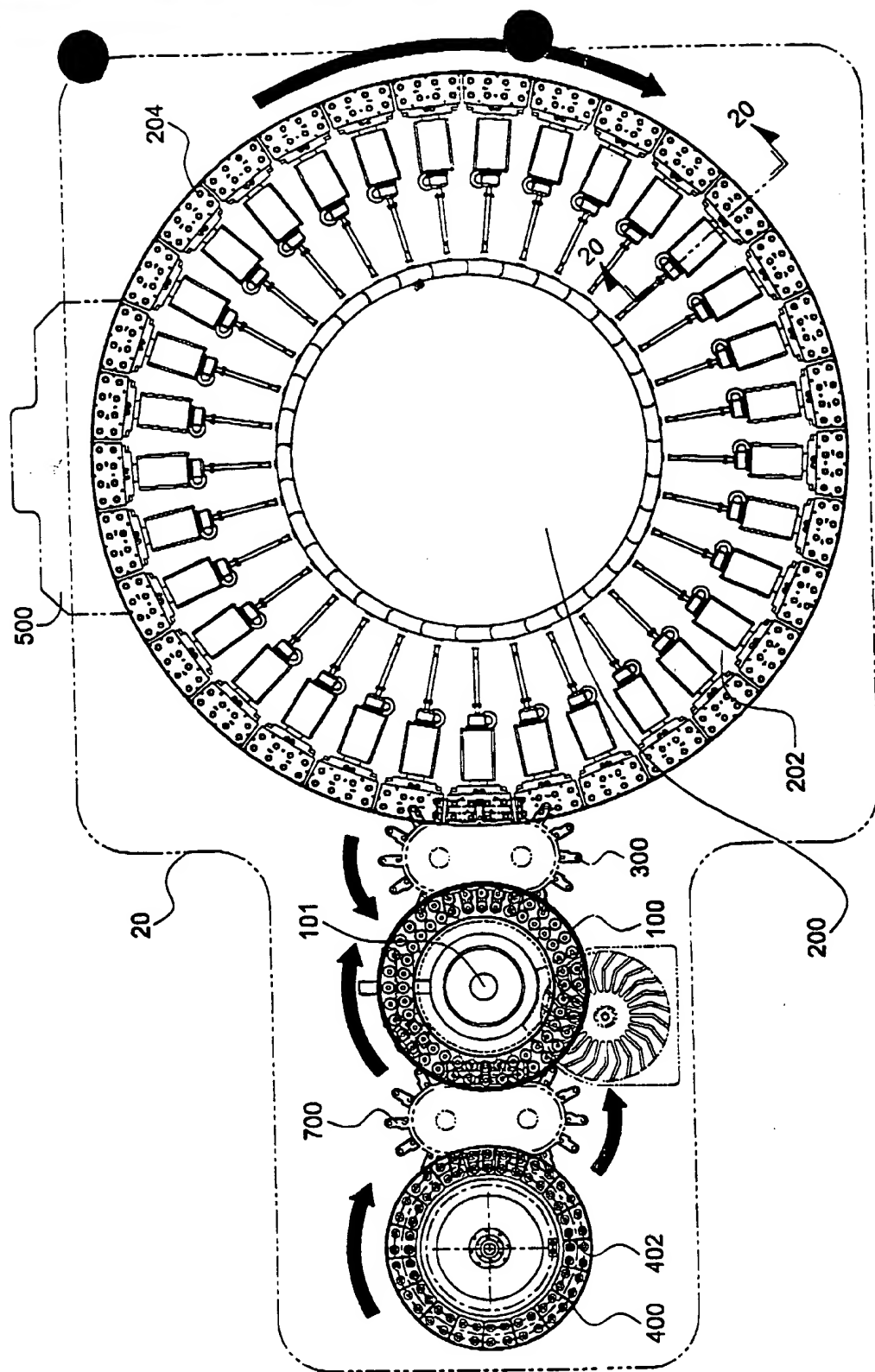


FIG. 3

T08260" 60599660

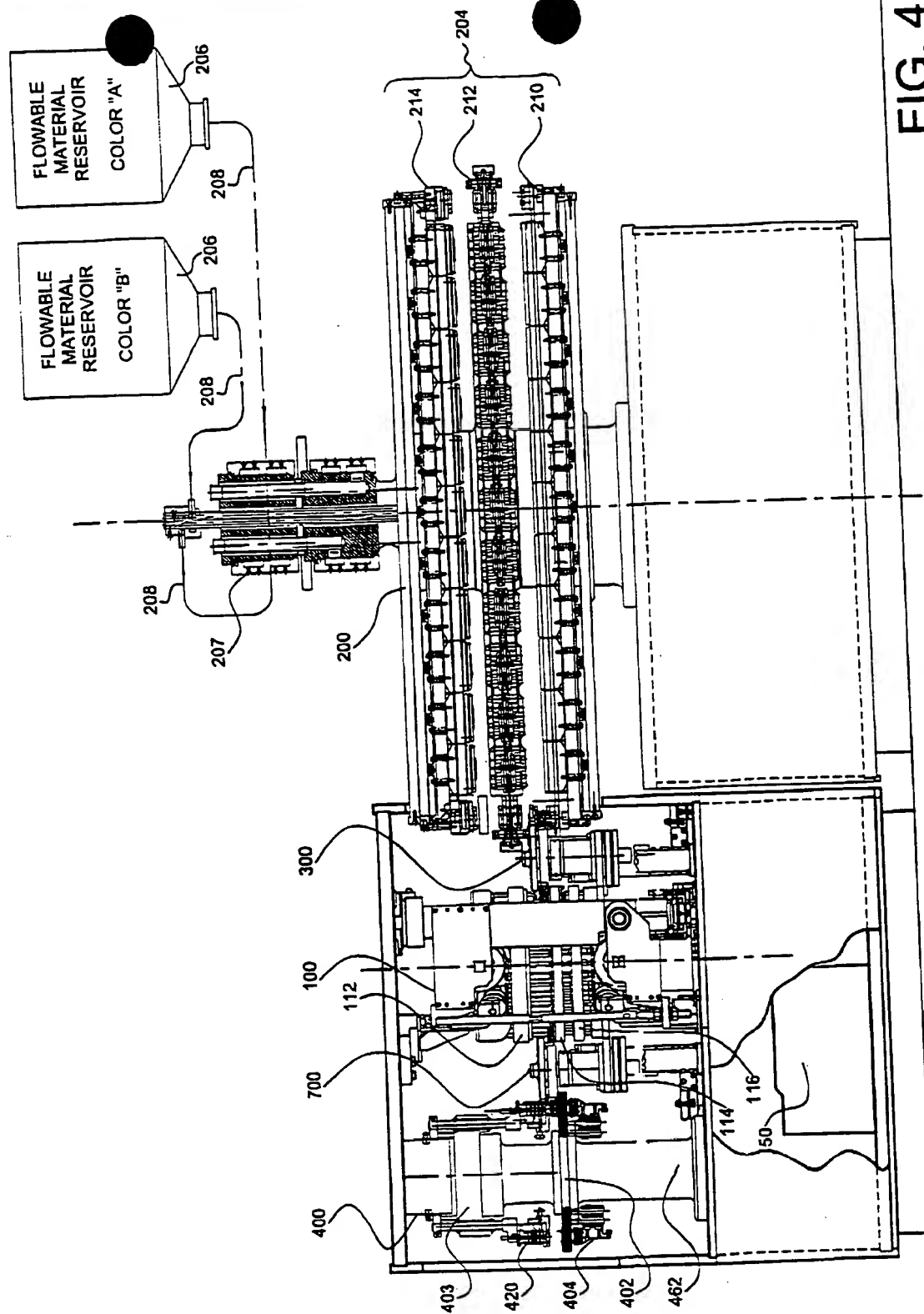


FIG. 4

\_\_\_\_\_



0606509-097601

TOP VIEW OF FIG. 6

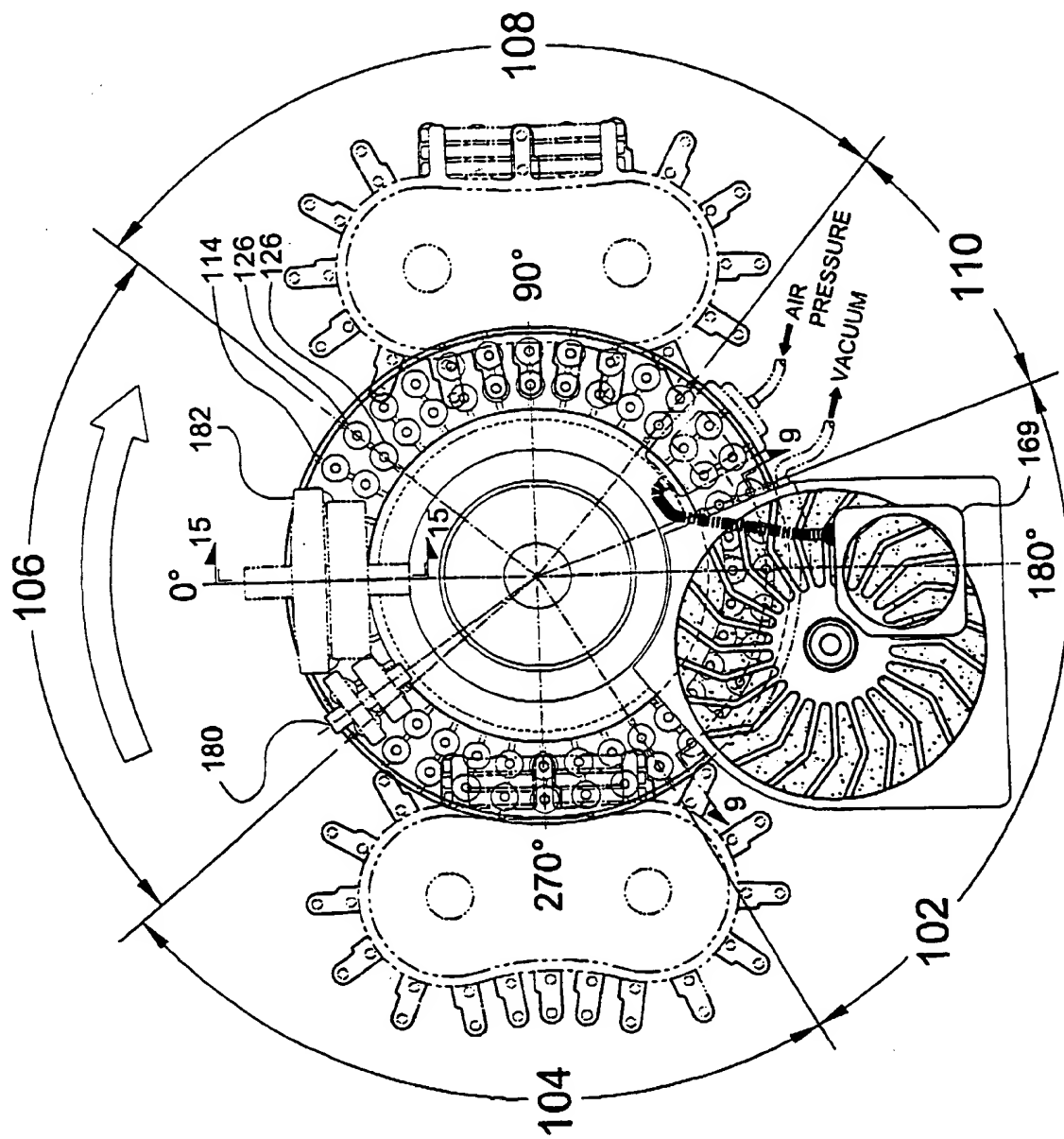


FIG. 6

T08260" 60599660

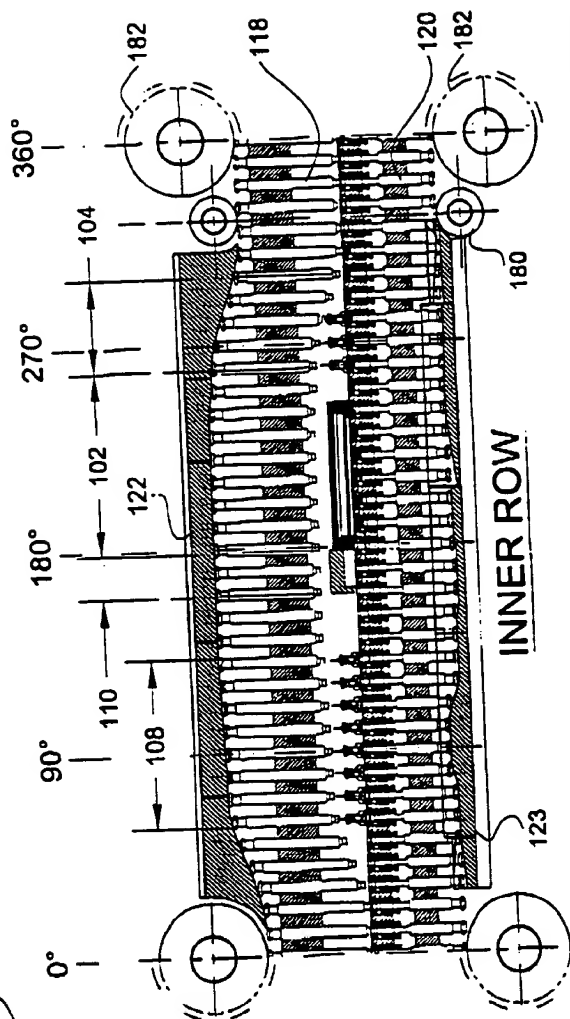
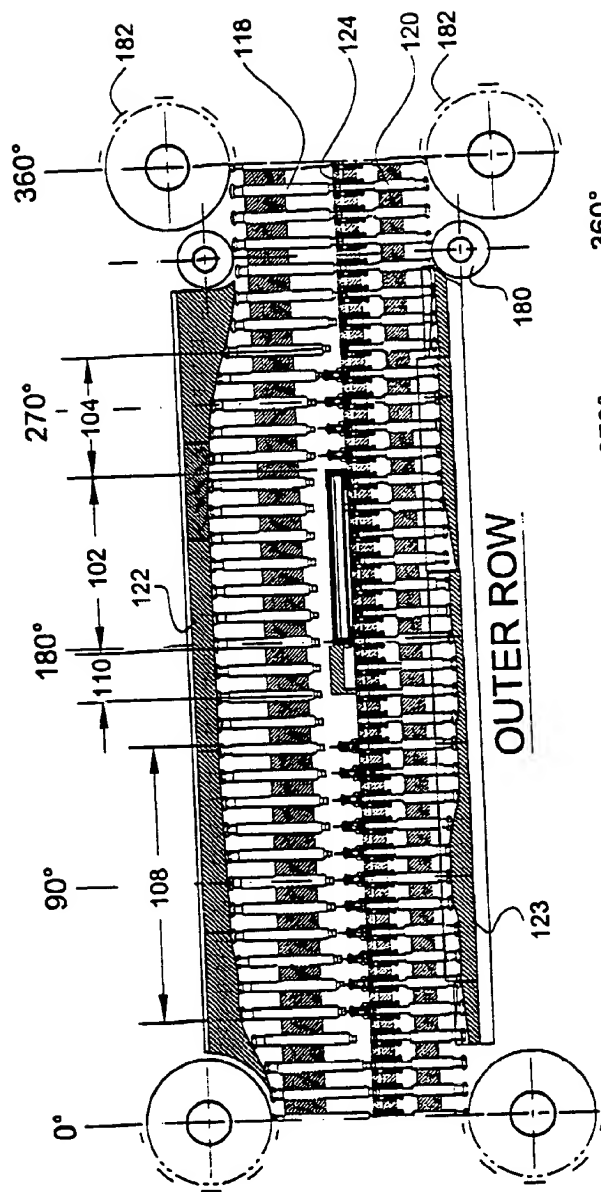


Figure 1 is a cross-sectional view of a multi-layered structure. The top layer is labeled 122. Below it is a layer with diagonal hatching, labeled 154. A series of vertical rods, labeled 118, pass through this hatched layer. Below the rods is a layer with diagonal hatching, labeled 148. A horizontal arrow points to the right, indicating a direction of flow or movement. Below this is a layer with diagonal hatching, labeled 112. A horizontal arrow points to the left, labeled "VACUUM ZONE". Below this is a layer with diagonal hatching, labeled 171. A horizontal arrow points to the right, labeled "10". Below this is a layer with diagonal hatching, labeled 131. A horizontal arrow points to the right, labeled "10". Below this is a layer with diagonal hatching, labeled 124. A horizontal arrow points to the right, labeled "126". Below this is a layer with diagonal hatching, labeled 114. A horizontal arrow points to the right, labeled "120". Below this is a layer with diagonal hatching, labeled 116. A horizontal arrow points to the right, labeled "123". Below this is a layer with diagonal hatching, labeled 154.

FIG. 9



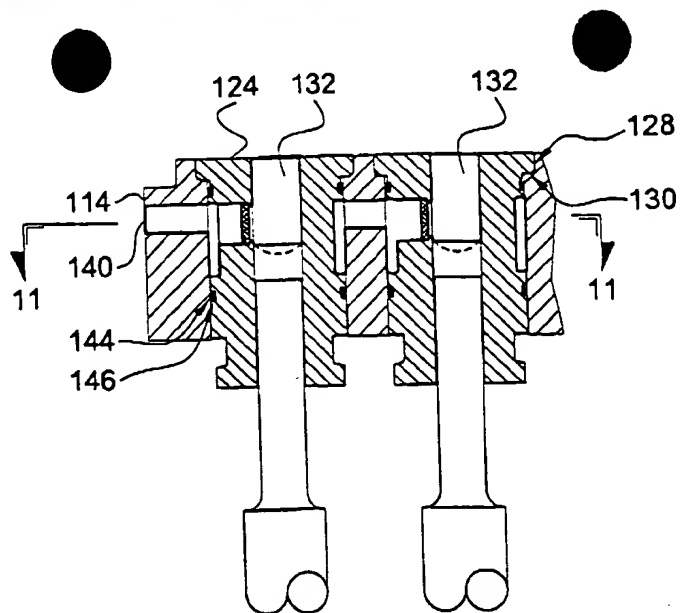


FIG. 10

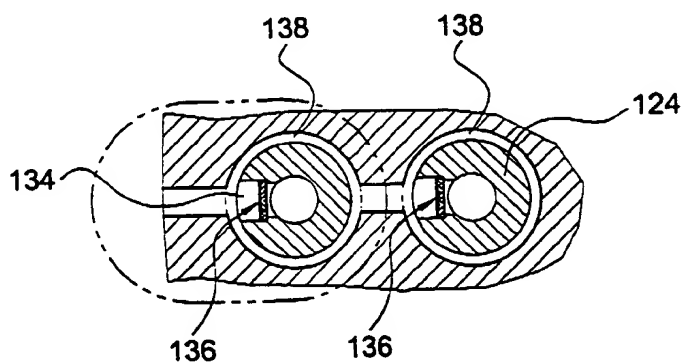


FIG. 11

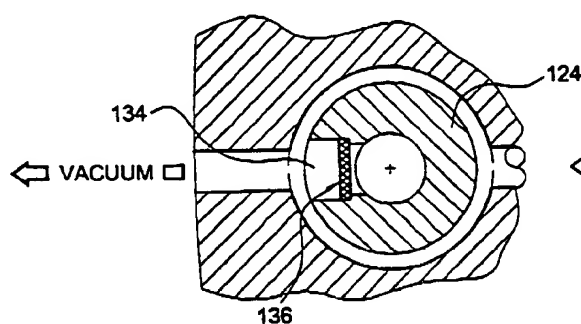


FIG. 12

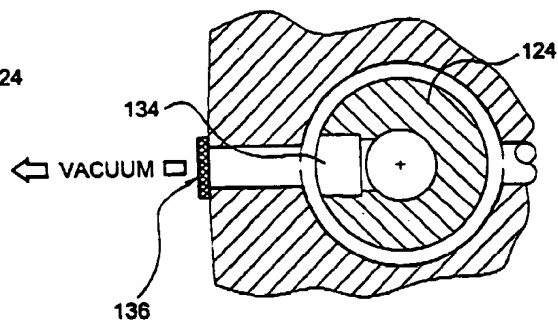


FIG. 12A

TOP SECRET - 60599660

108260 60599660

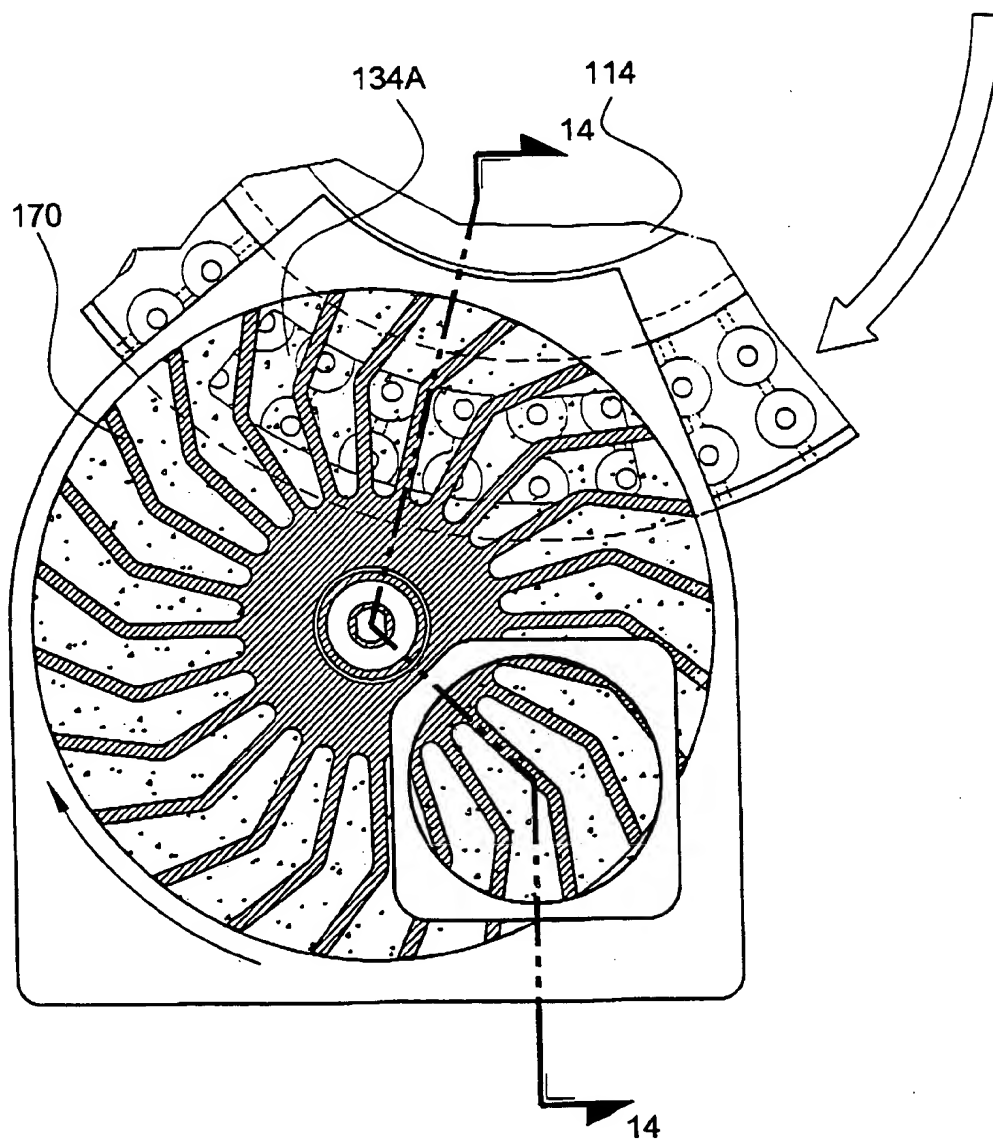


FIG. 13

009550-09801

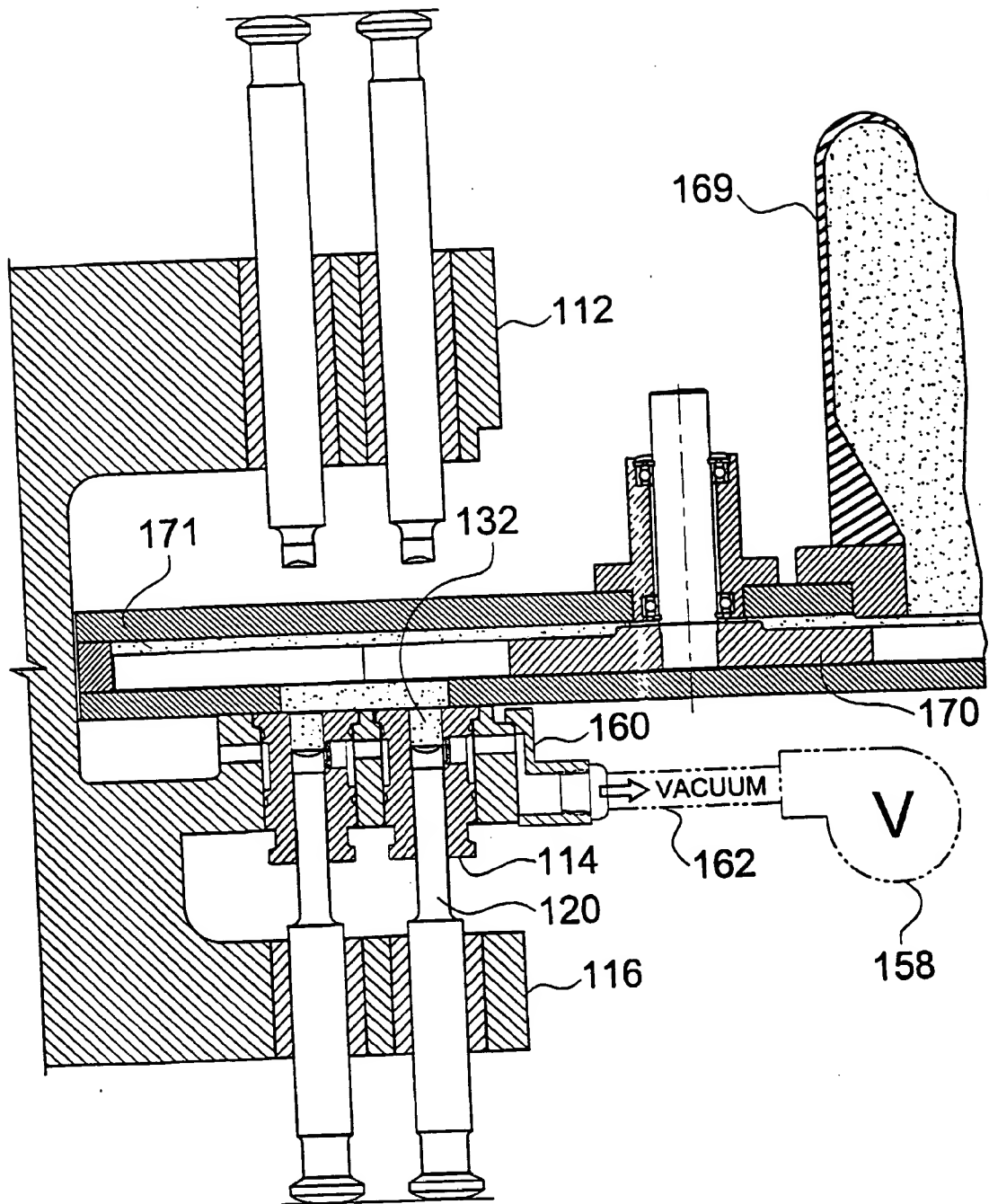


FIG. 14

00599660 "08260" 00599660

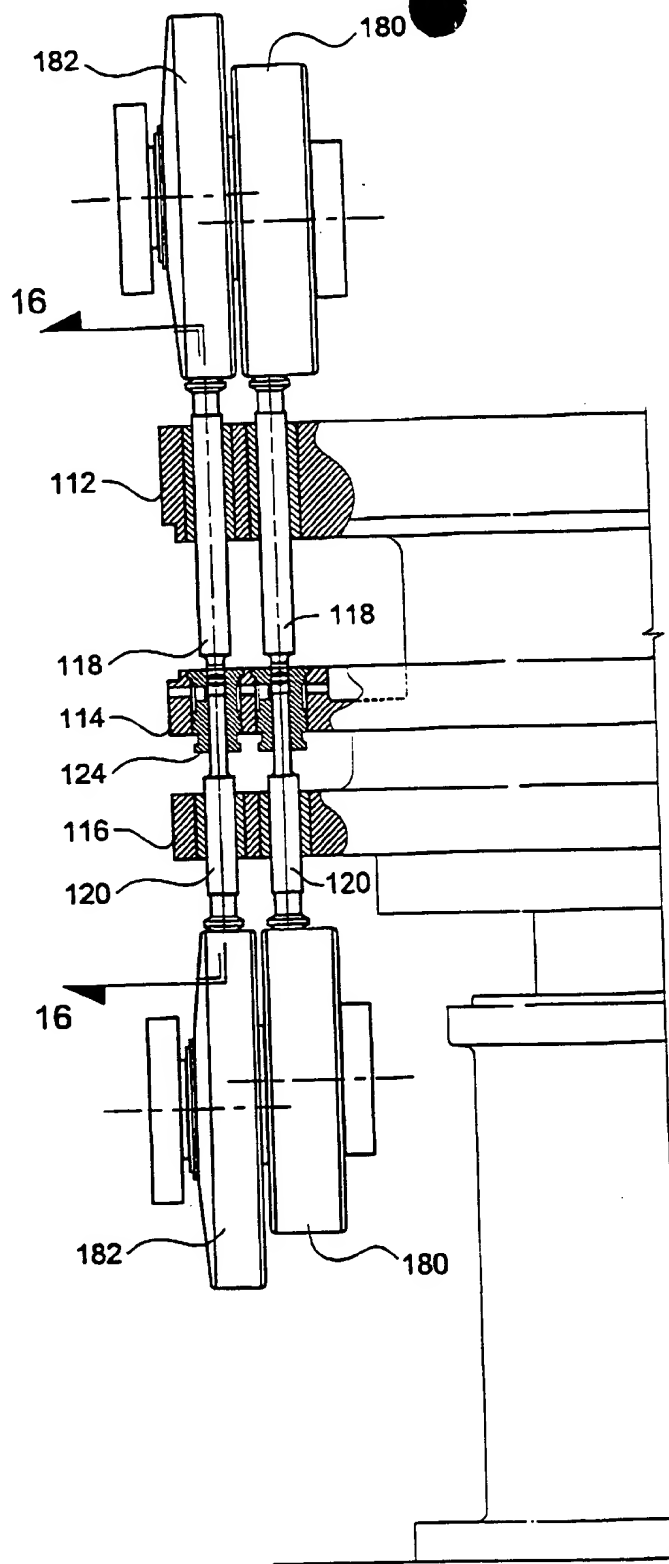


FIG. 15

103260\* 60599660

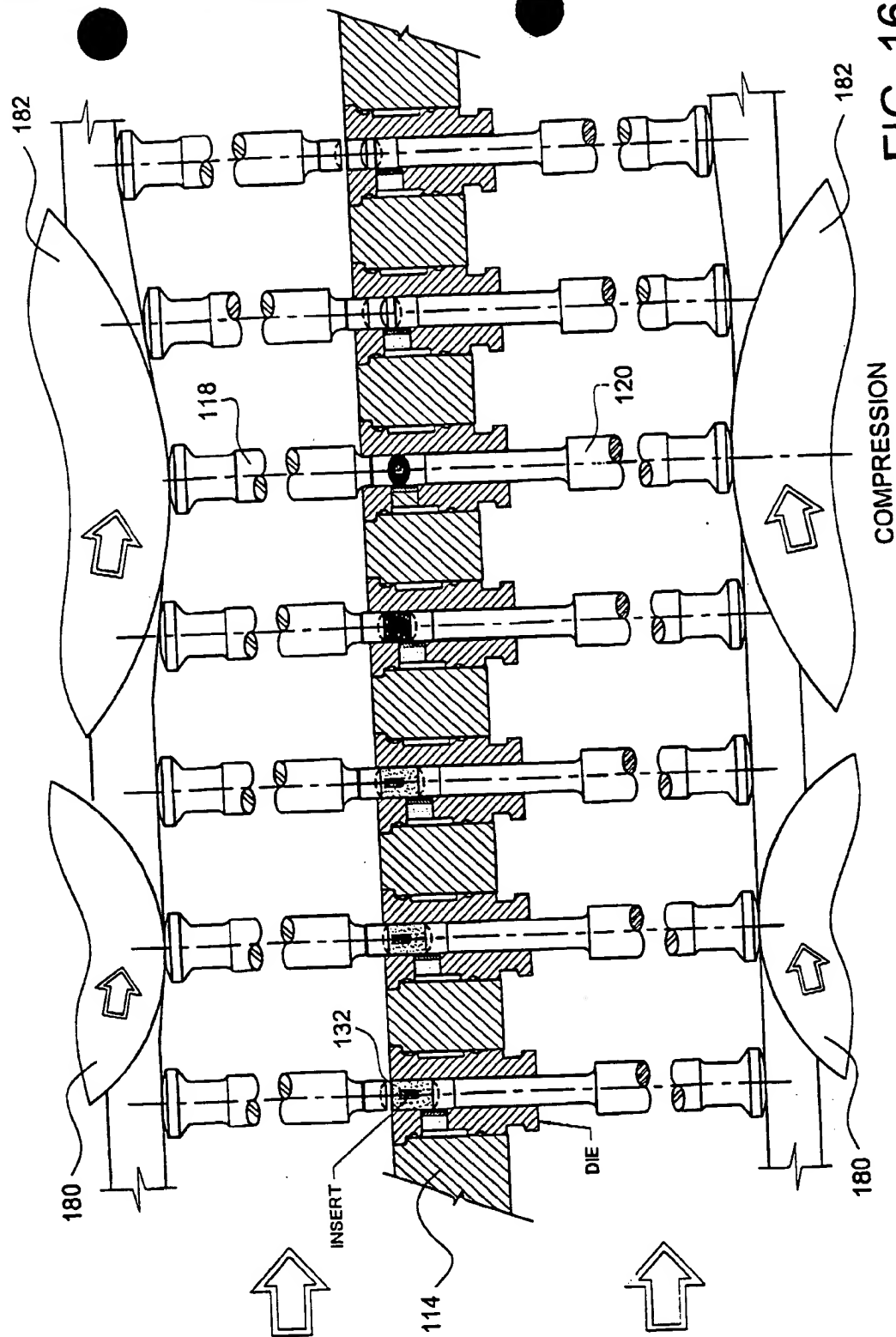
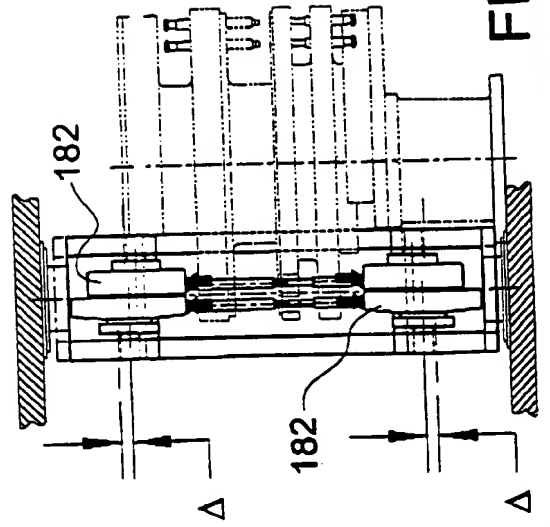
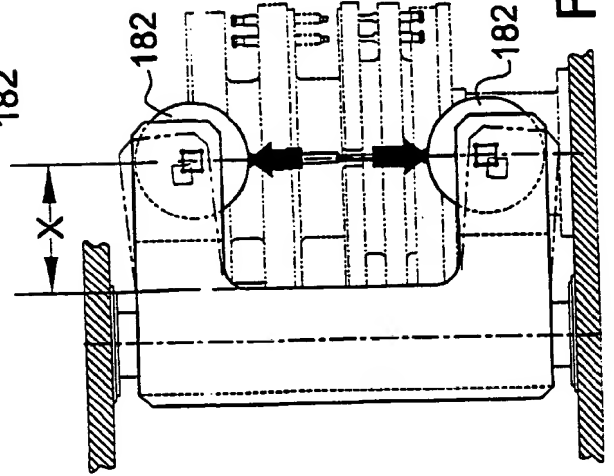
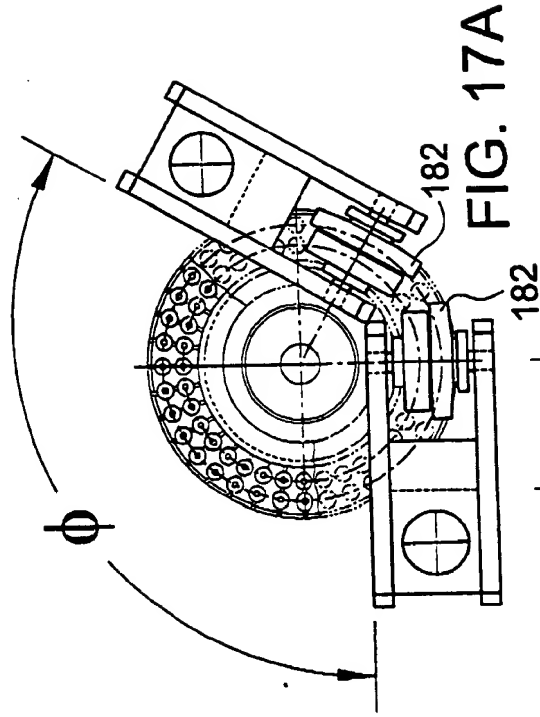


FIG. 16



FO8260" 60599660

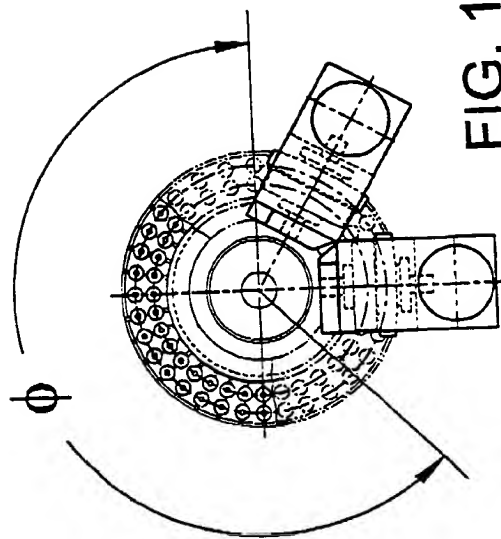


FIG. 18A

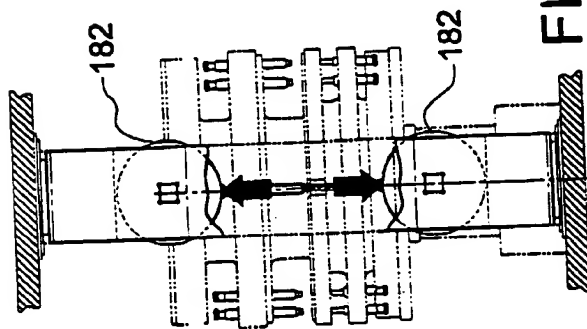


FIG. 18B

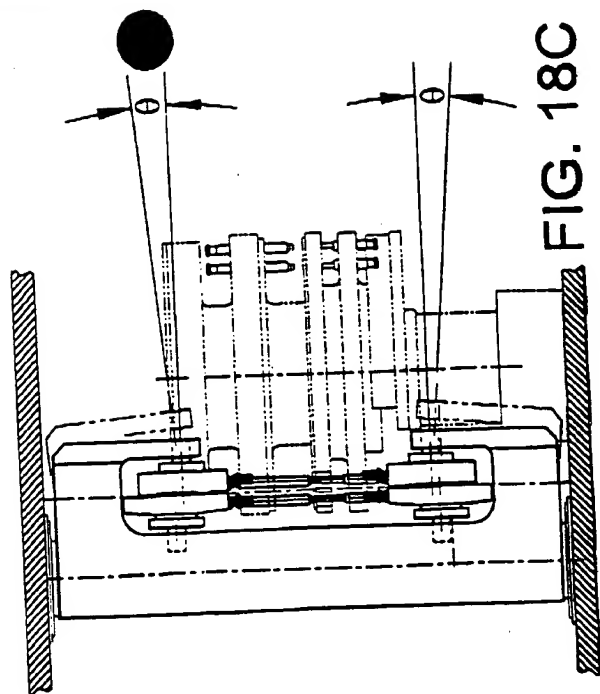


FIG. 18C

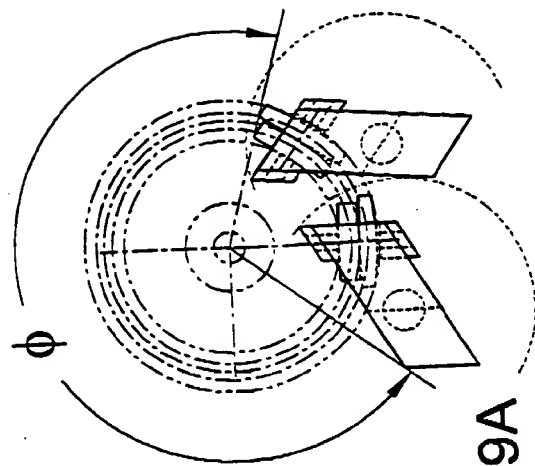


FIG. 19A

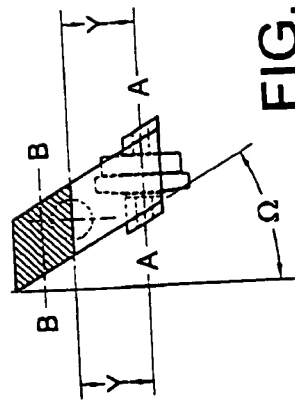


FIG. 19D

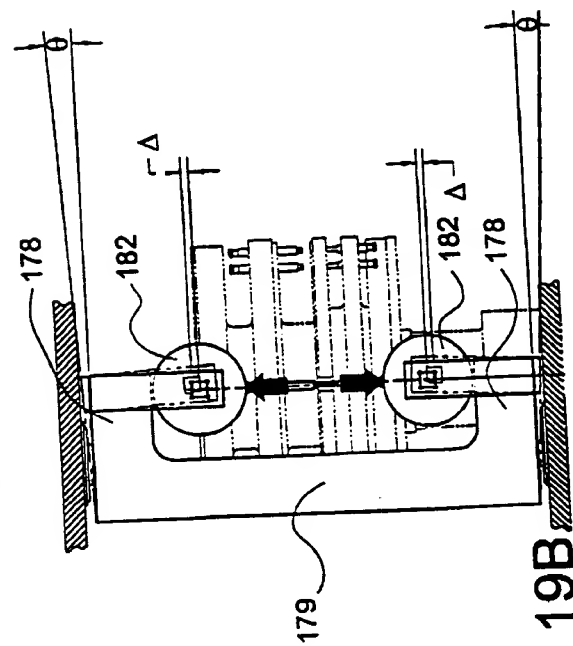


FIG. 19B

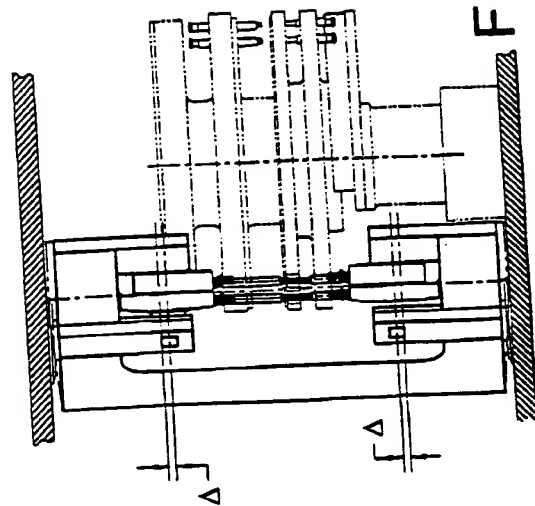


FIG. 19C



09966509-092801

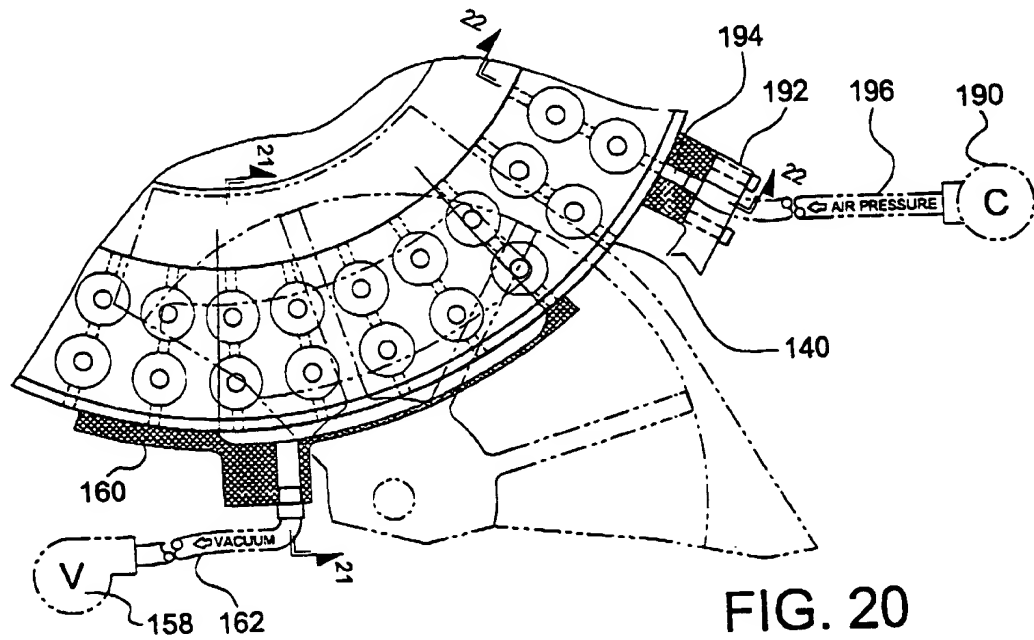


FIG. 20

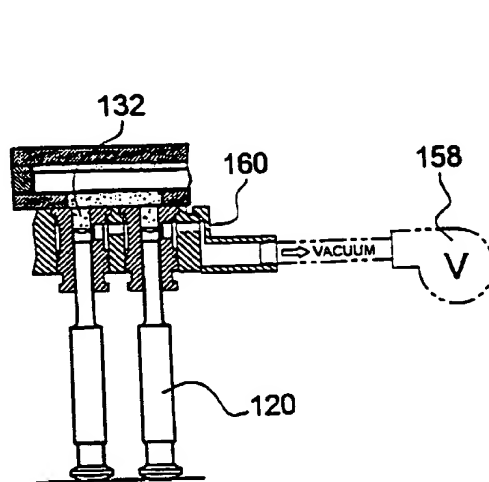


FIG. 21

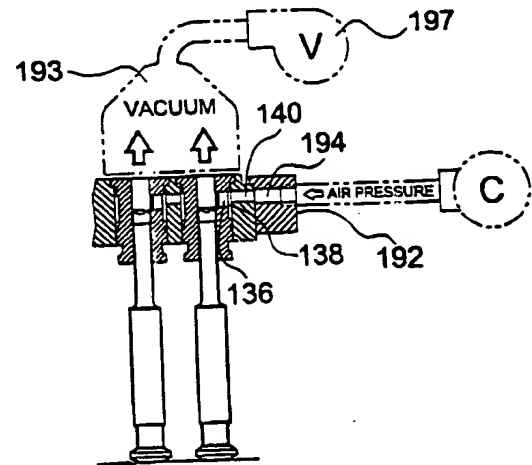


FIG. 22

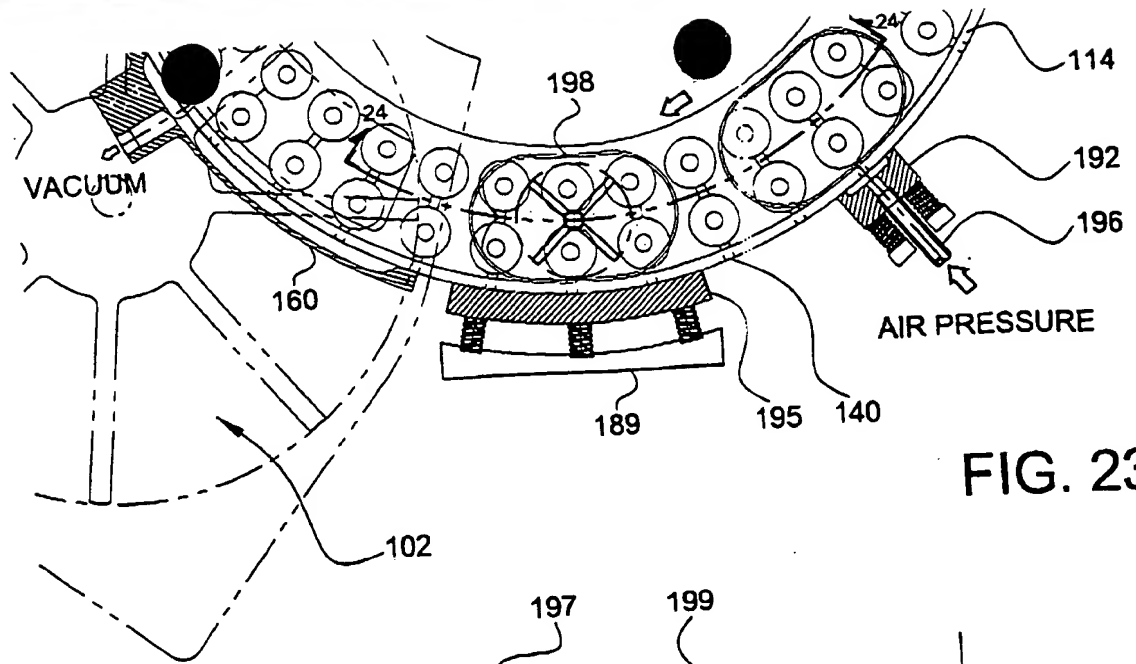


FIG. 23

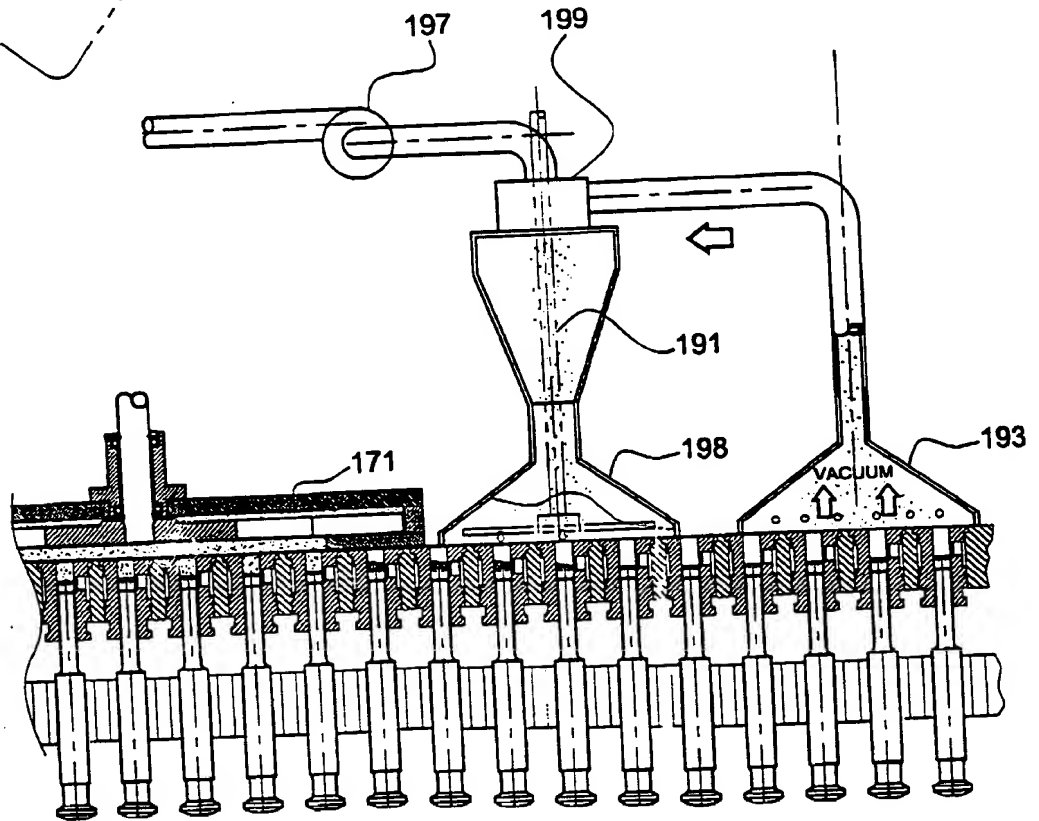


FIG. 24

FOB260" 60599660

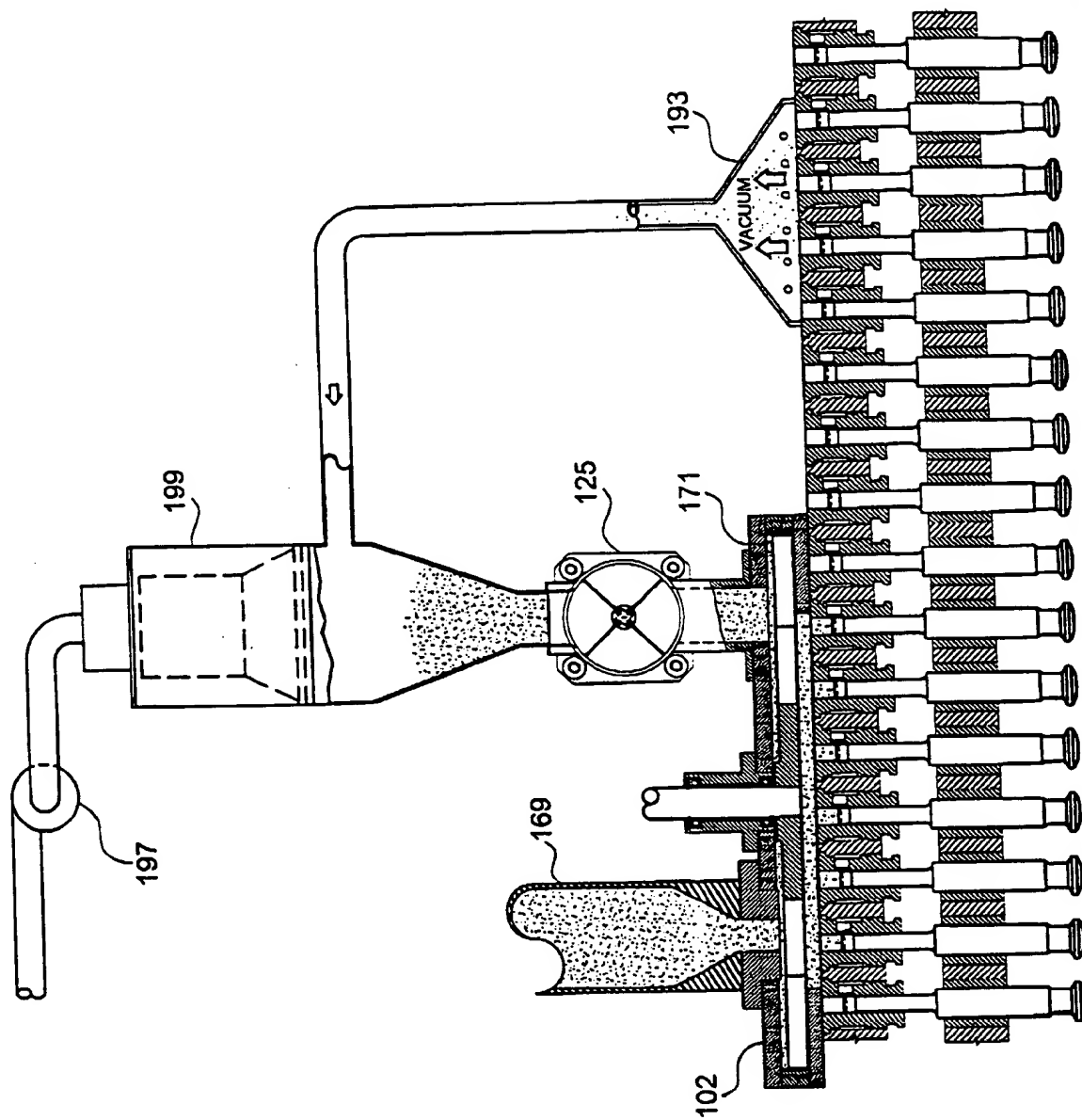


FIG. 25

T08260° 60599660

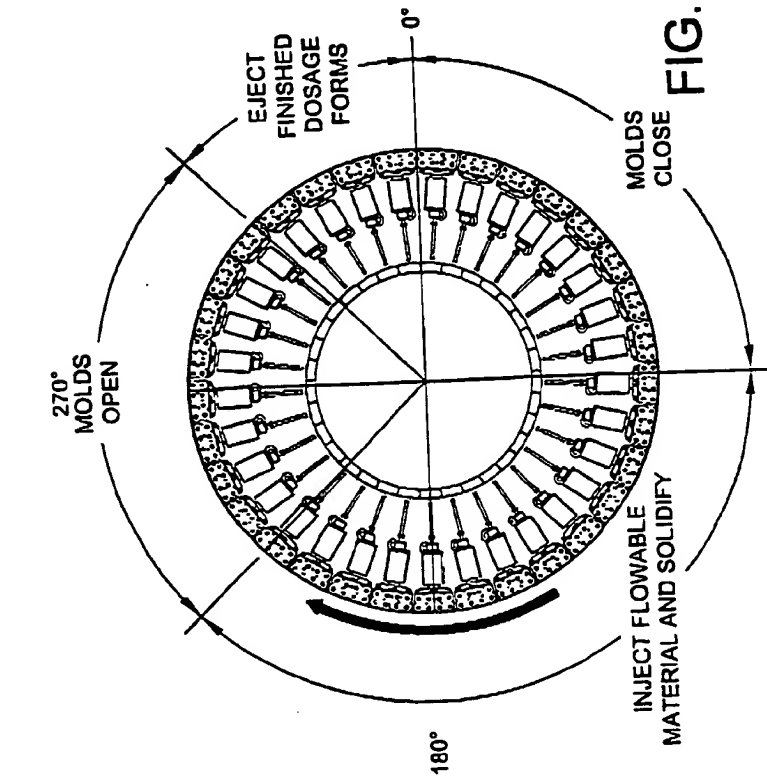


FIG. 26A

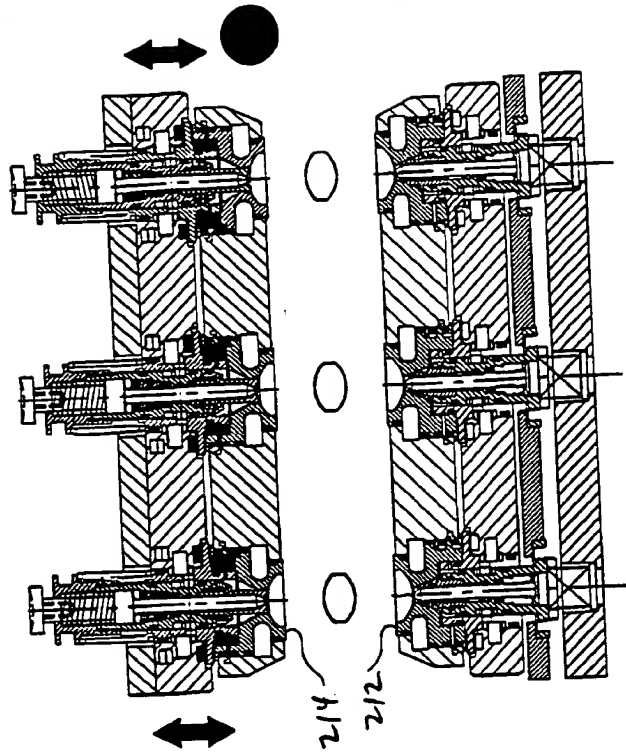


FIG. 26C

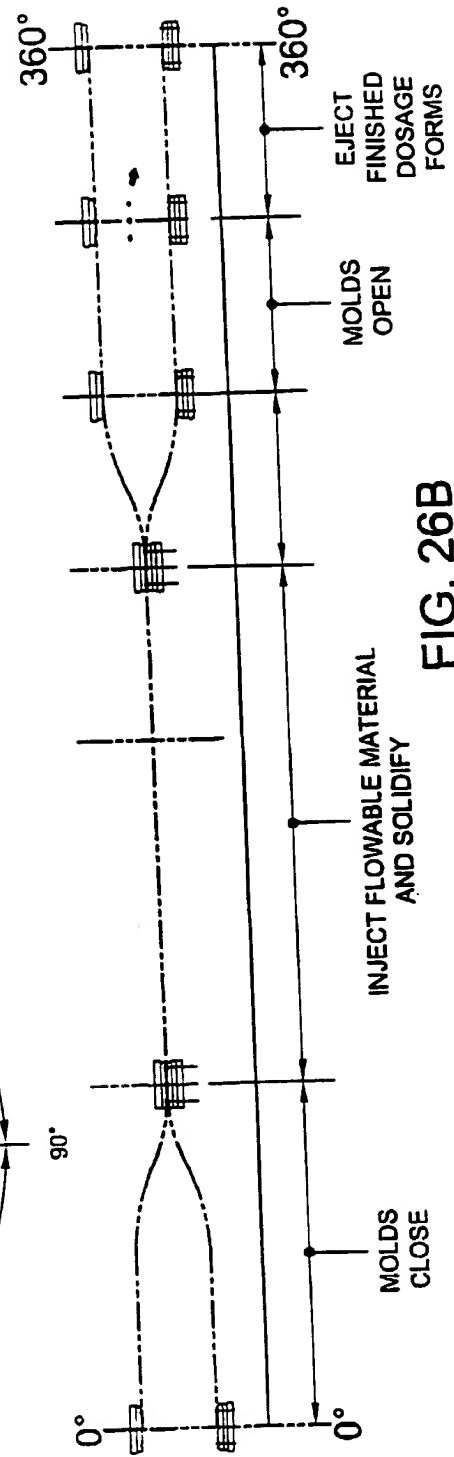


FIG. 26B

TOP SECRET 60599660

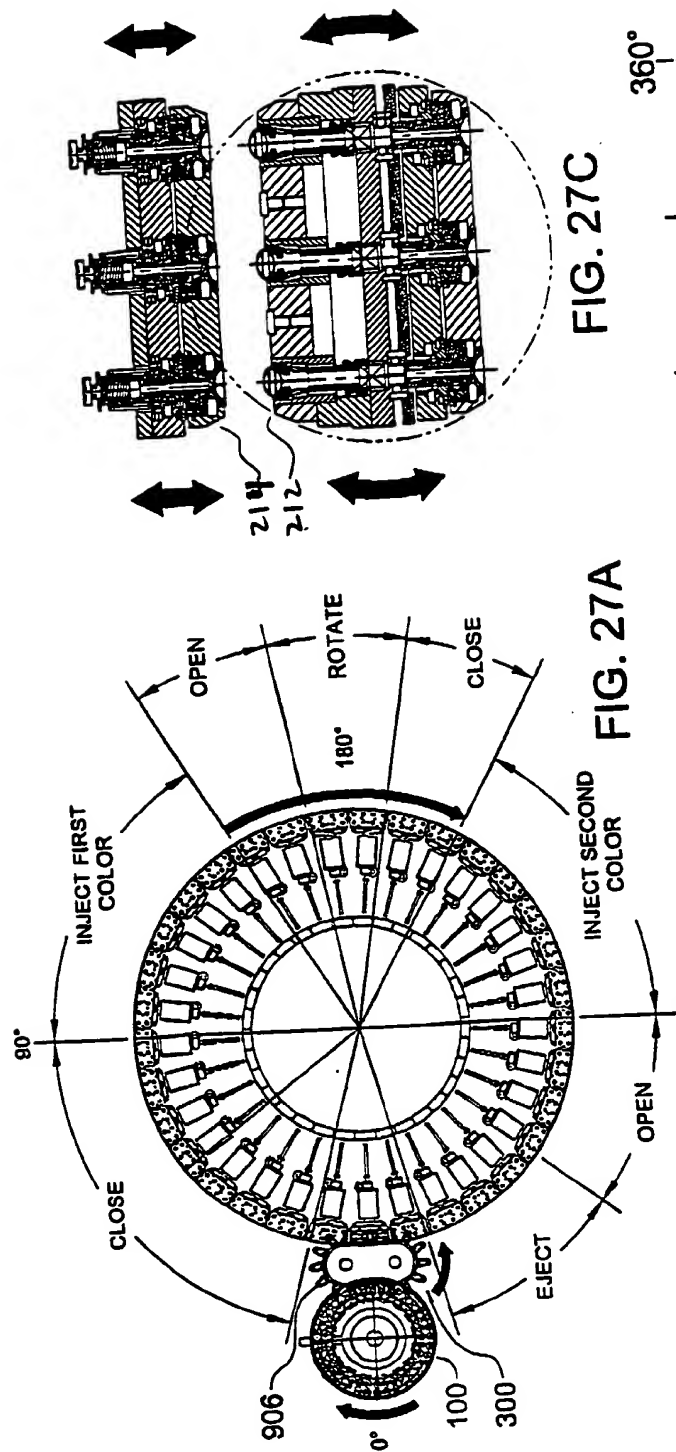


FIG. 27C

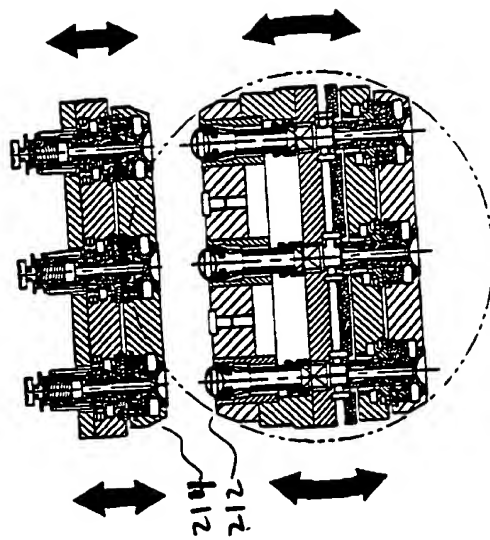


FIG. 27B

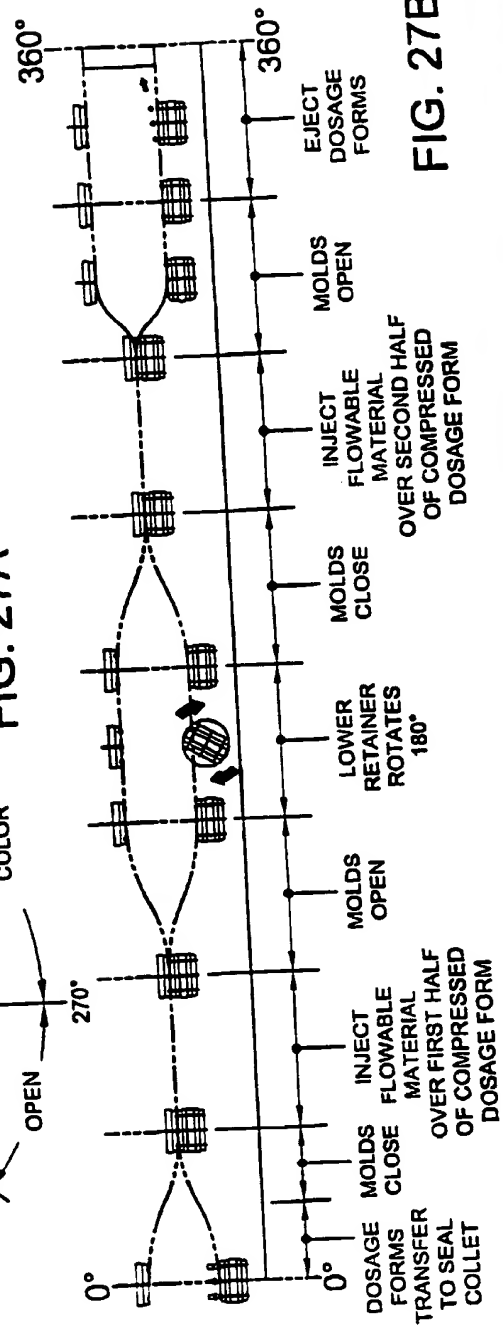


FIG. 27B

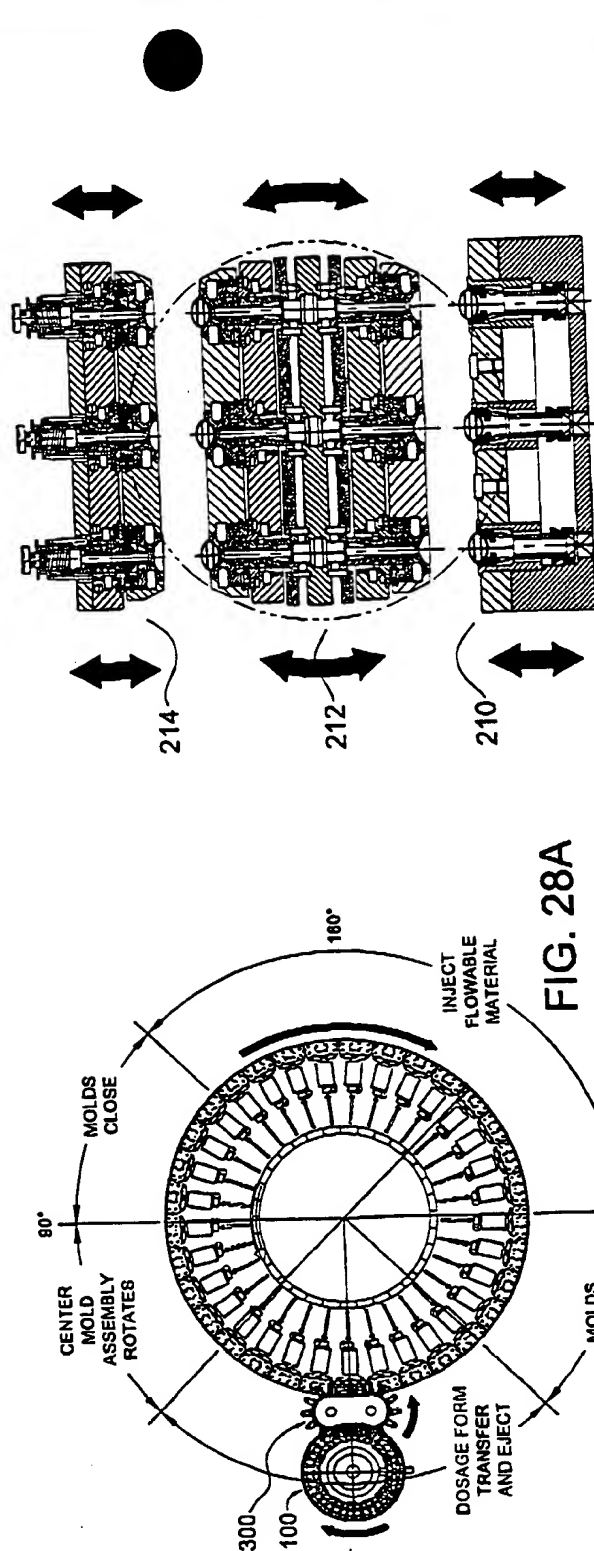
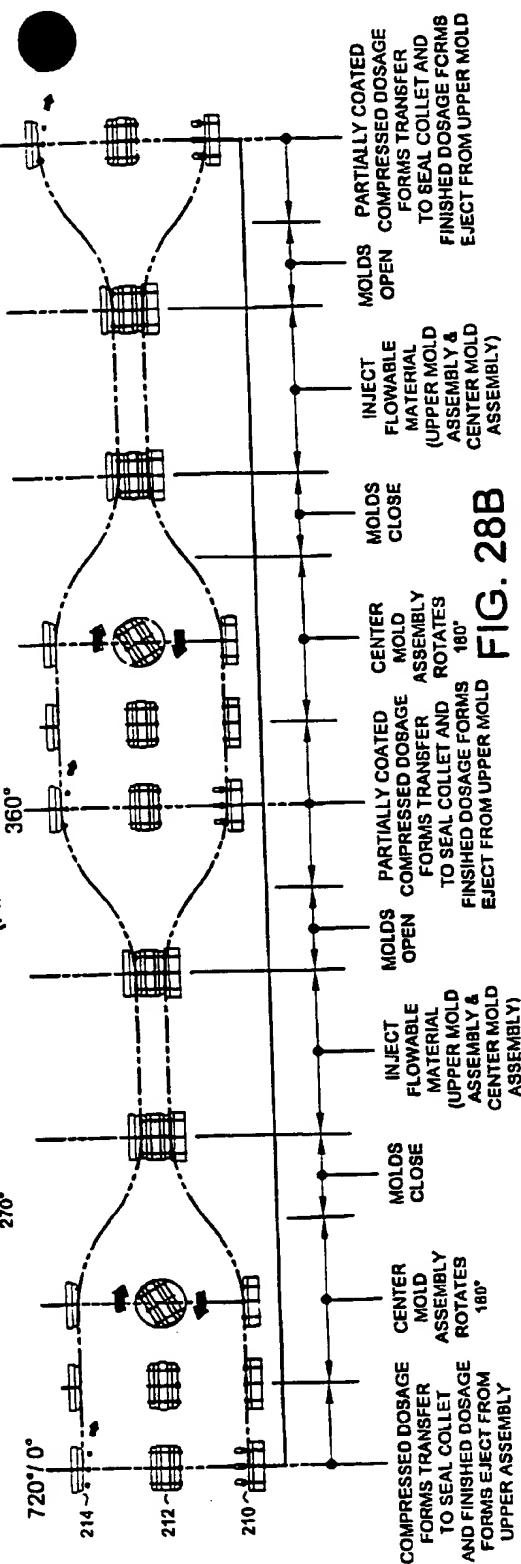


FIG. 28C (SECOND REVOLUTION)

(FIRST REVOLUTION)



108260" 605991660

200

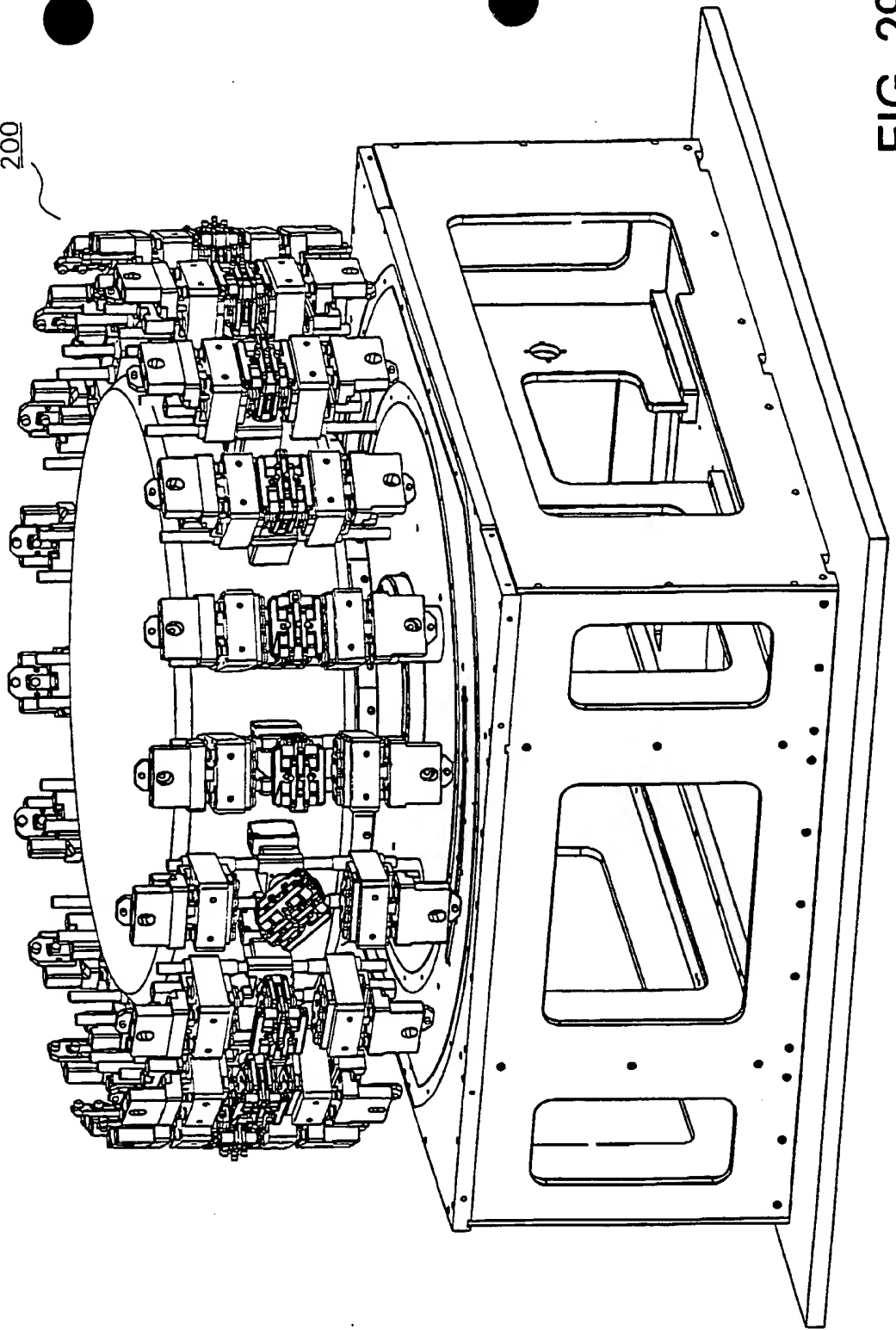


FIG. 29

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T08260 60599660

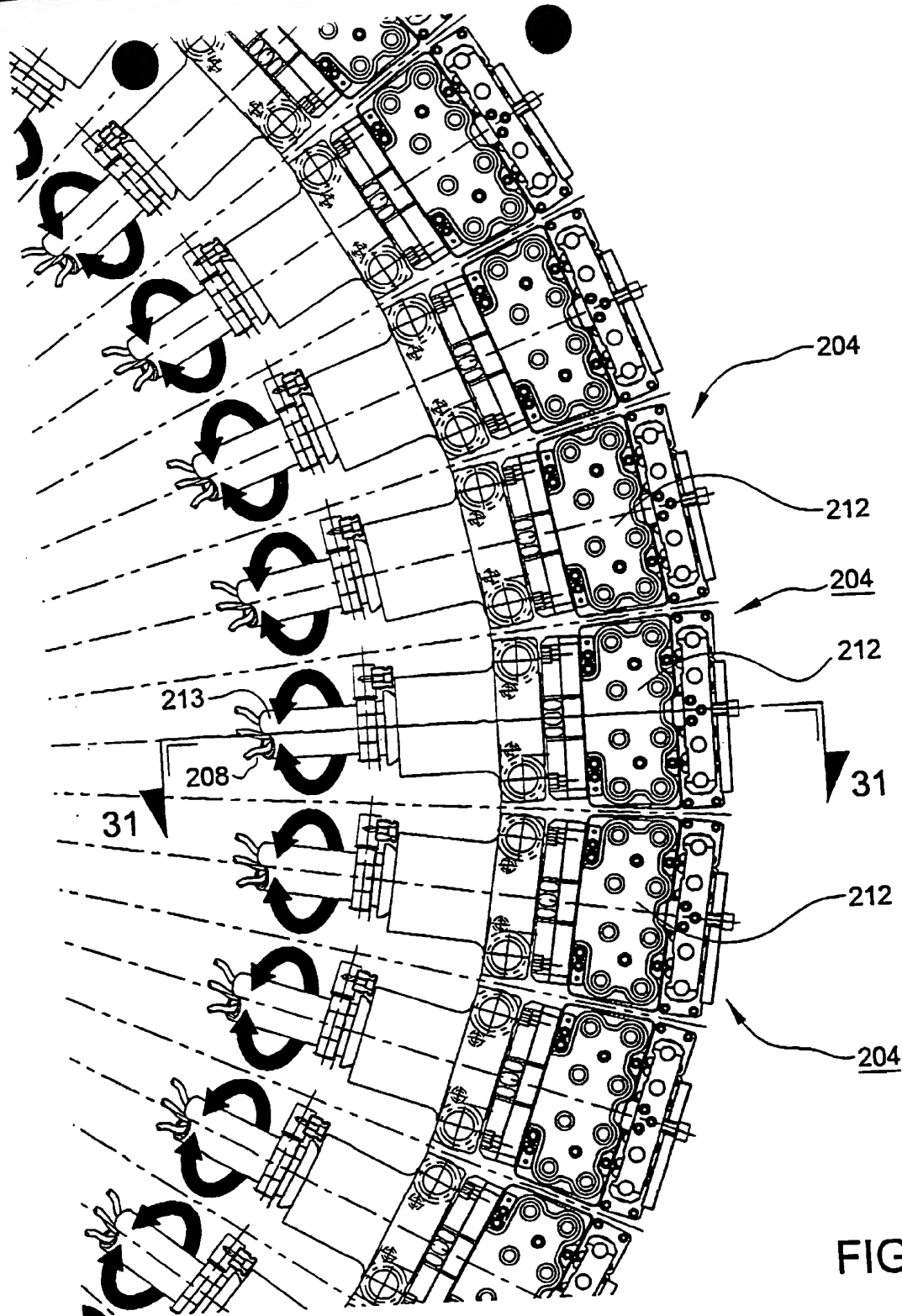


FIG. 30



108260-6059660

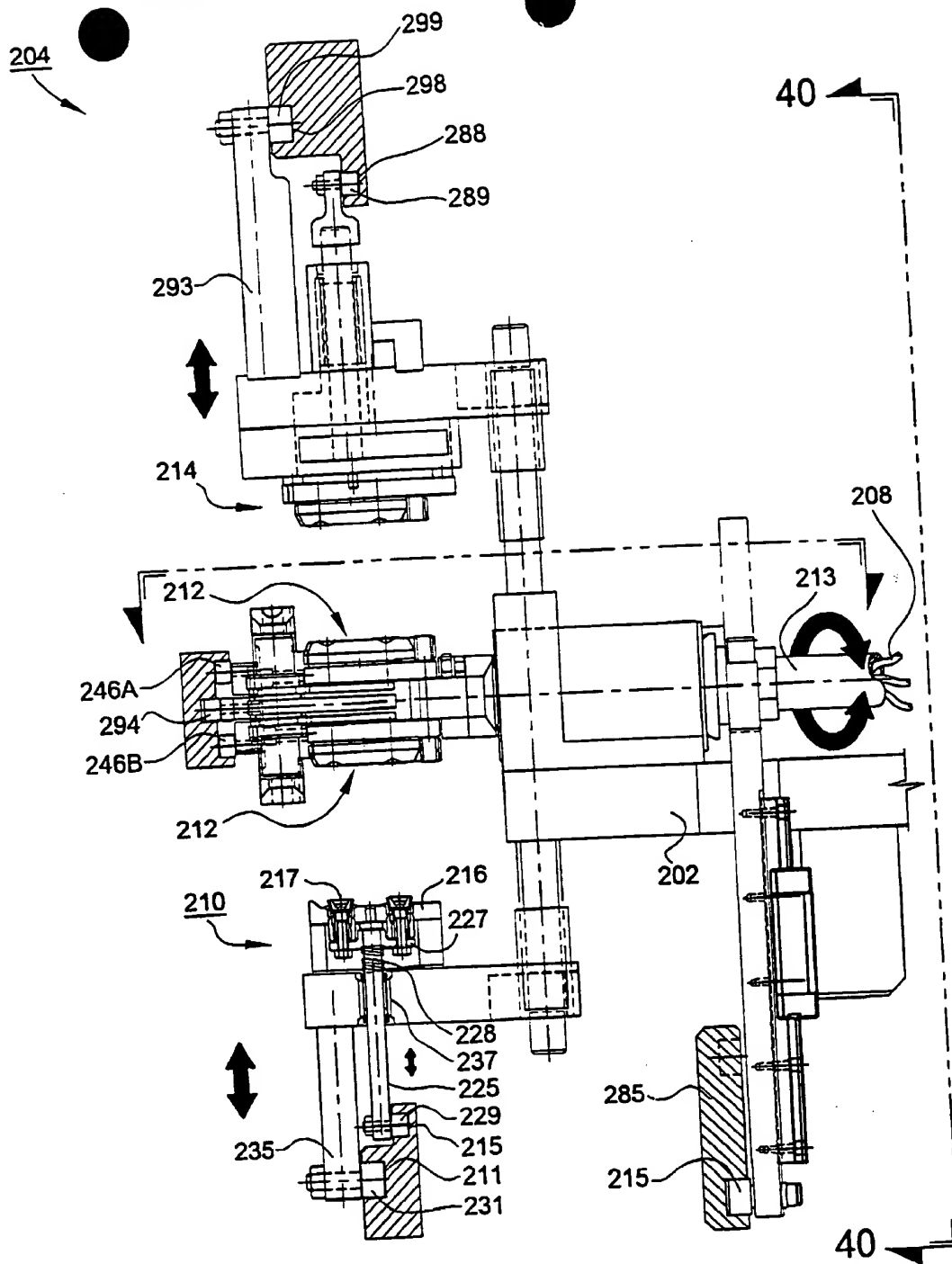


FIG. 31

0096509-092801

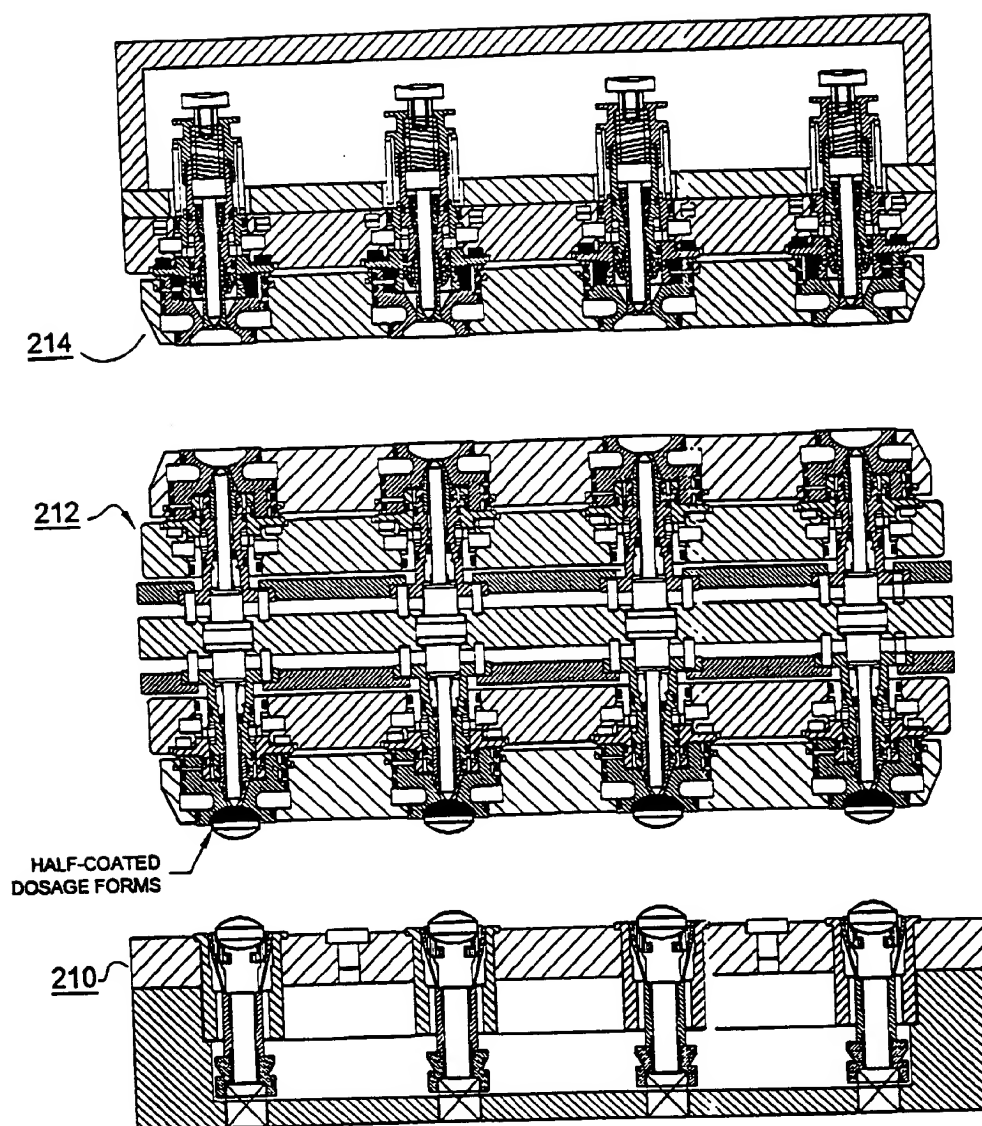


FIG. 32

0996509-092801-60599660

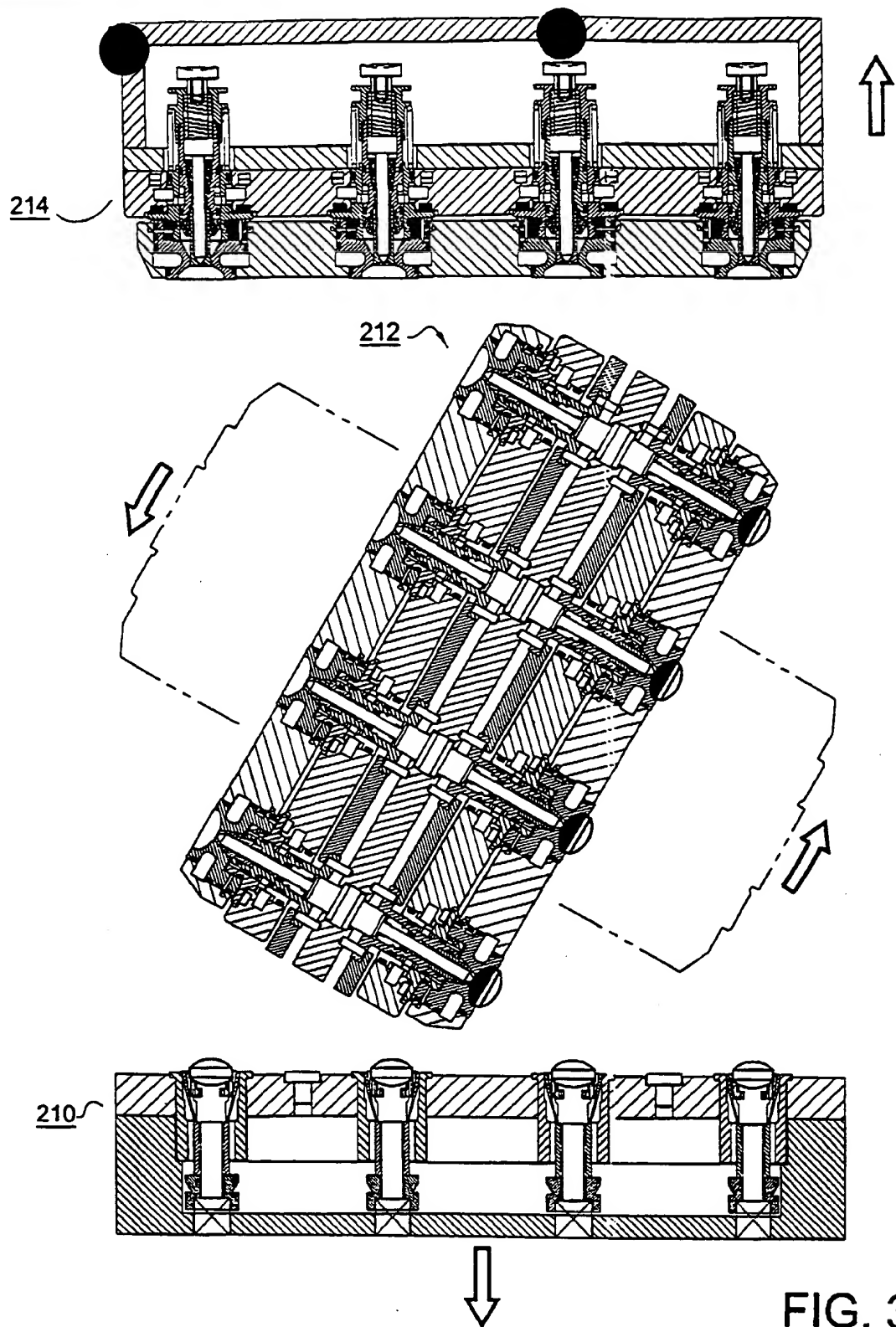


FIG. 33

09965509-092801

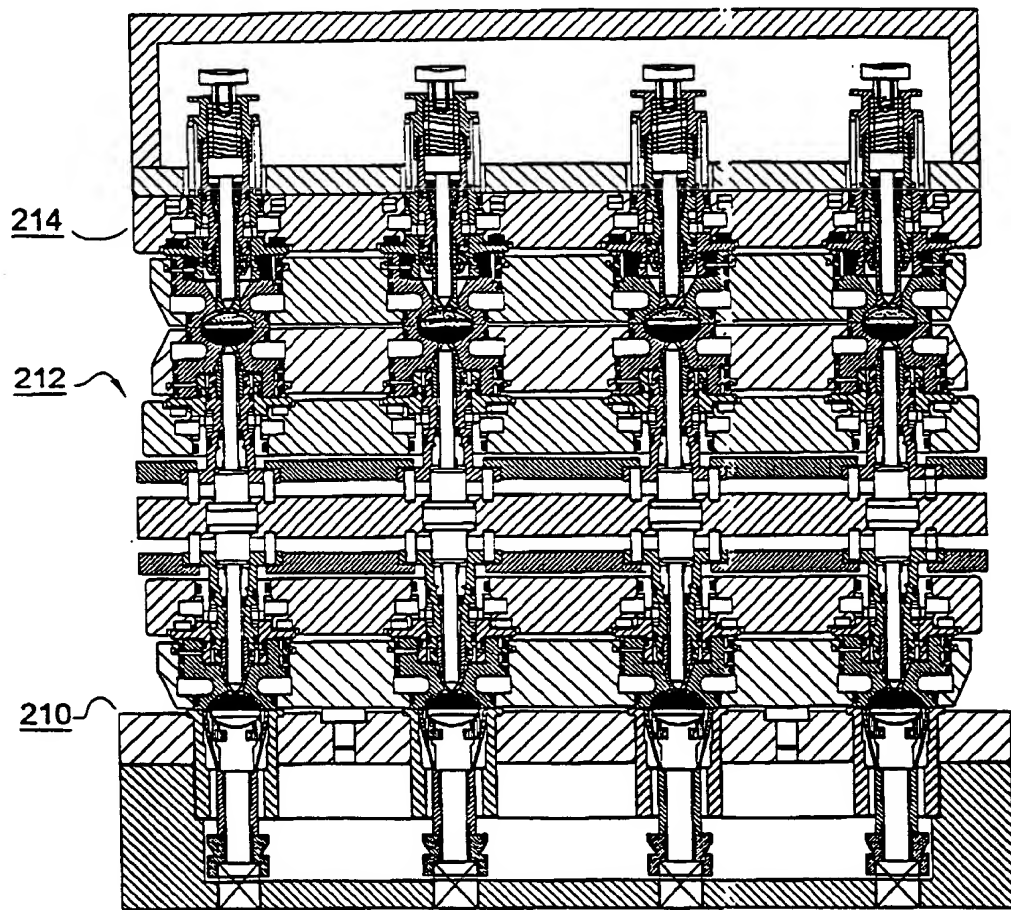


FIG. 34

FOB260-60599660

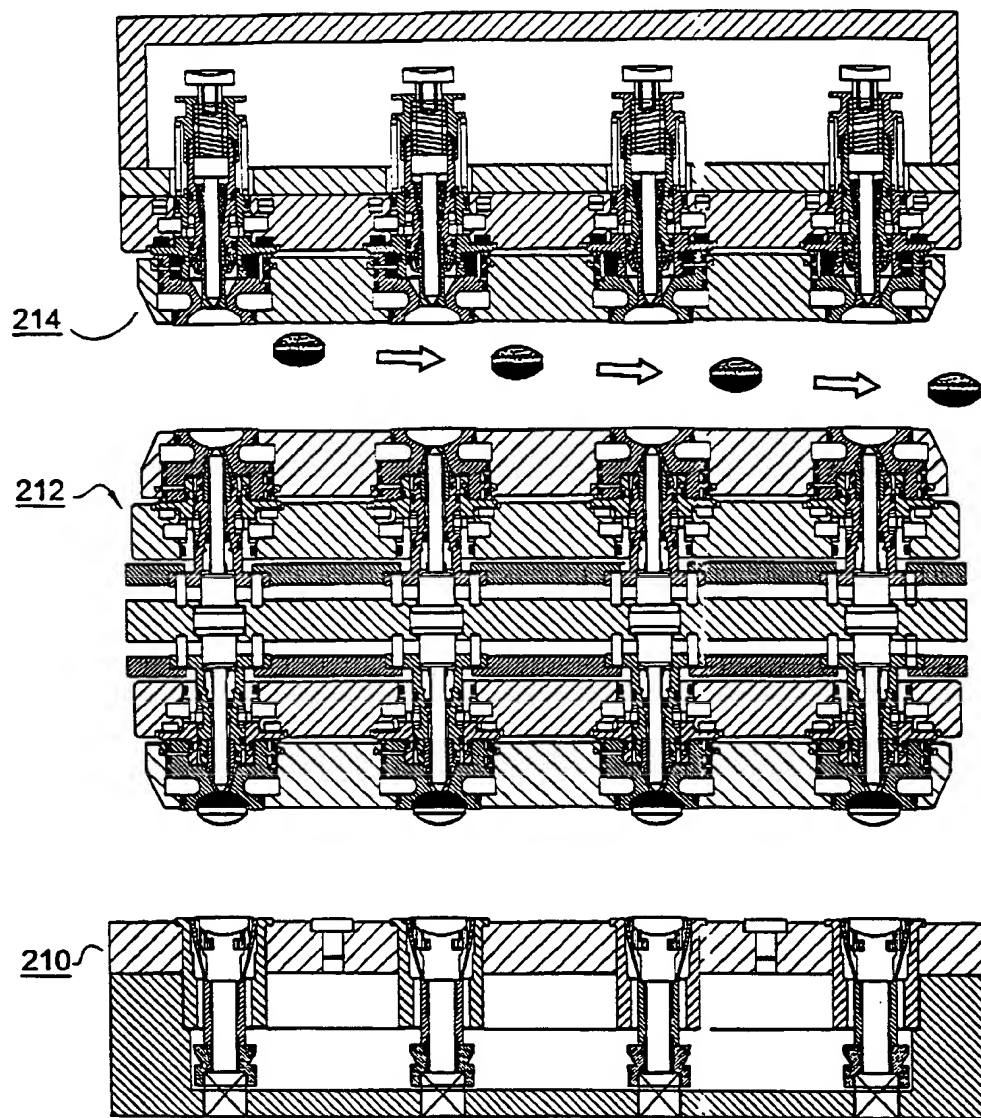


FIG. 35

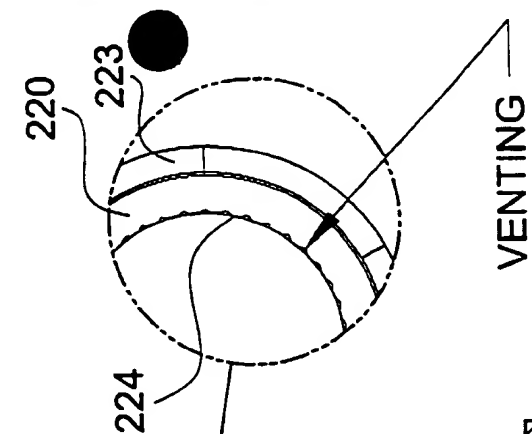


FIG. 38

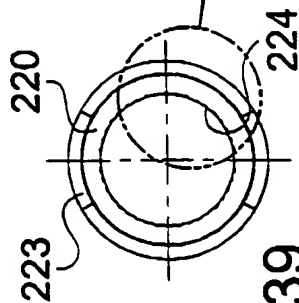


FIG. 39

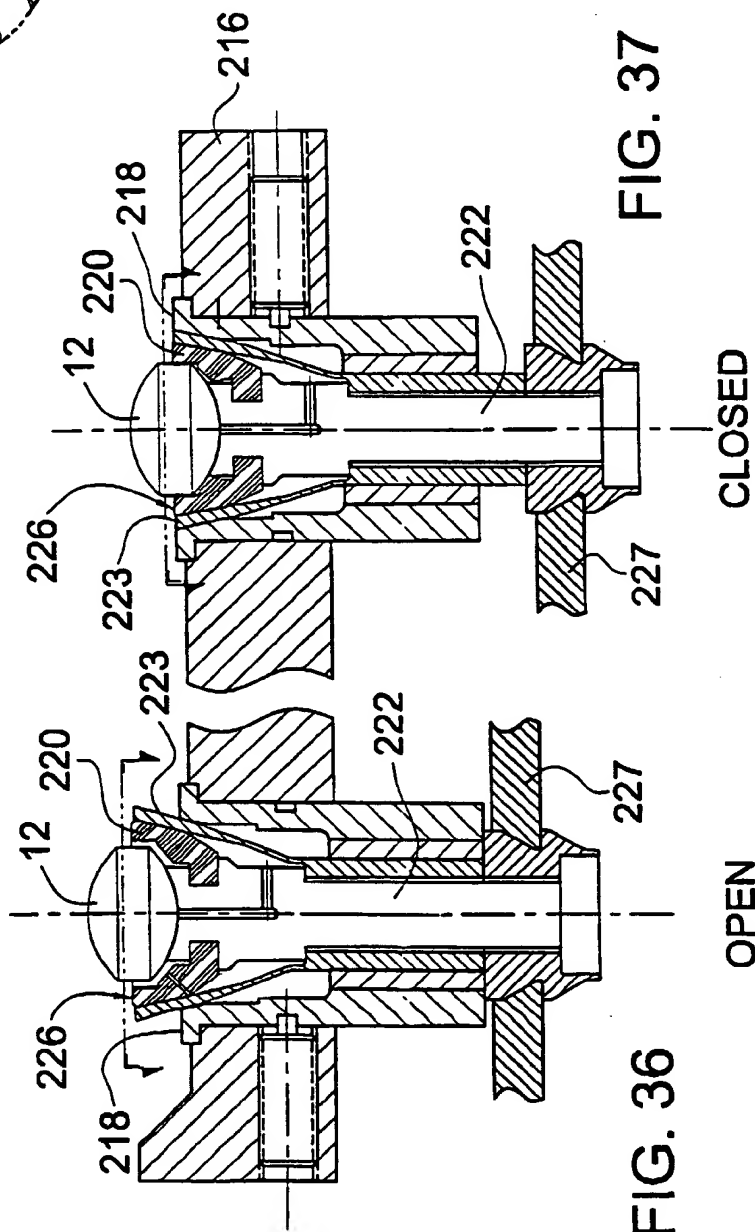


FIG. 37

FIG. 36

0955509-092801

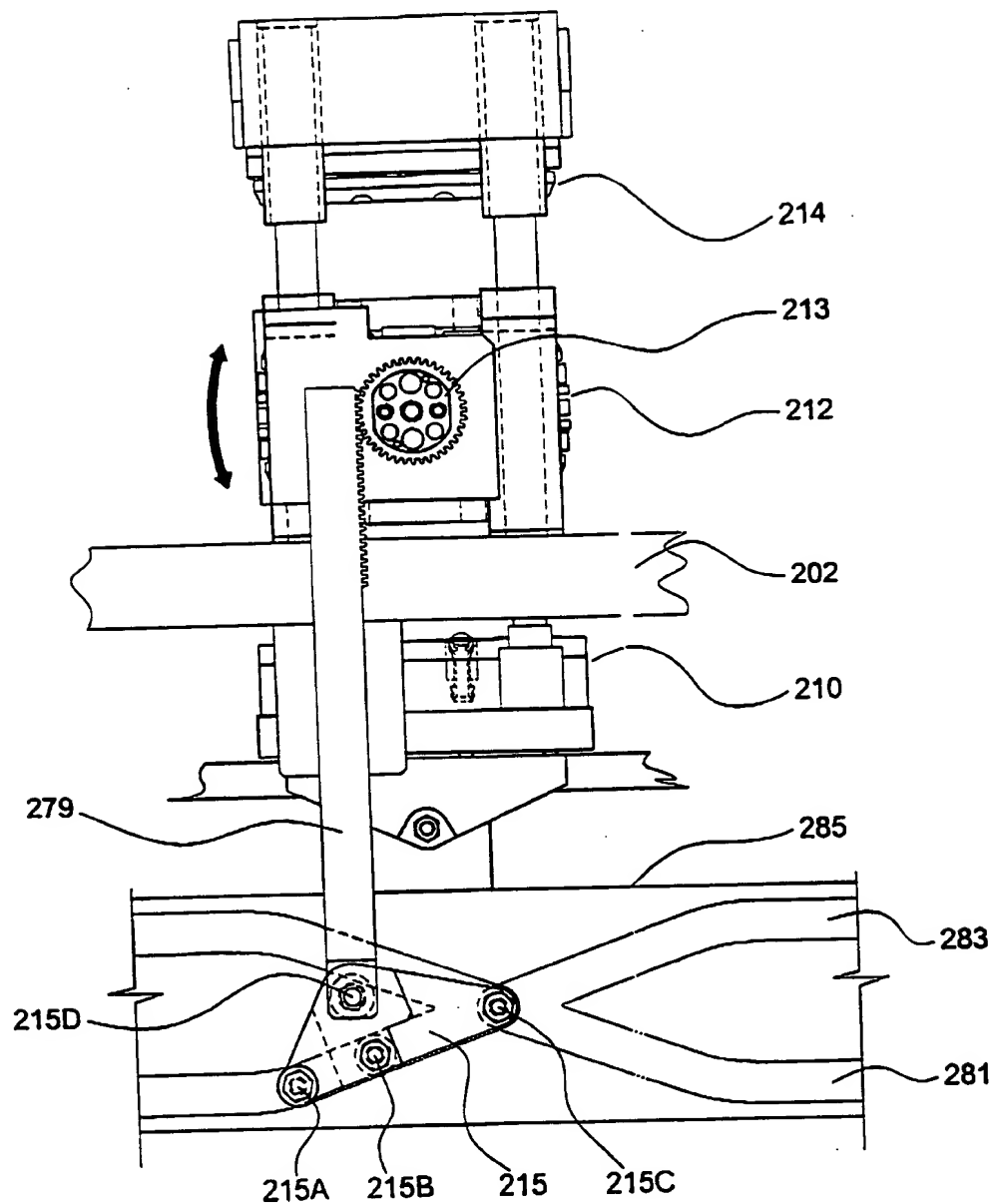


FIG. 40

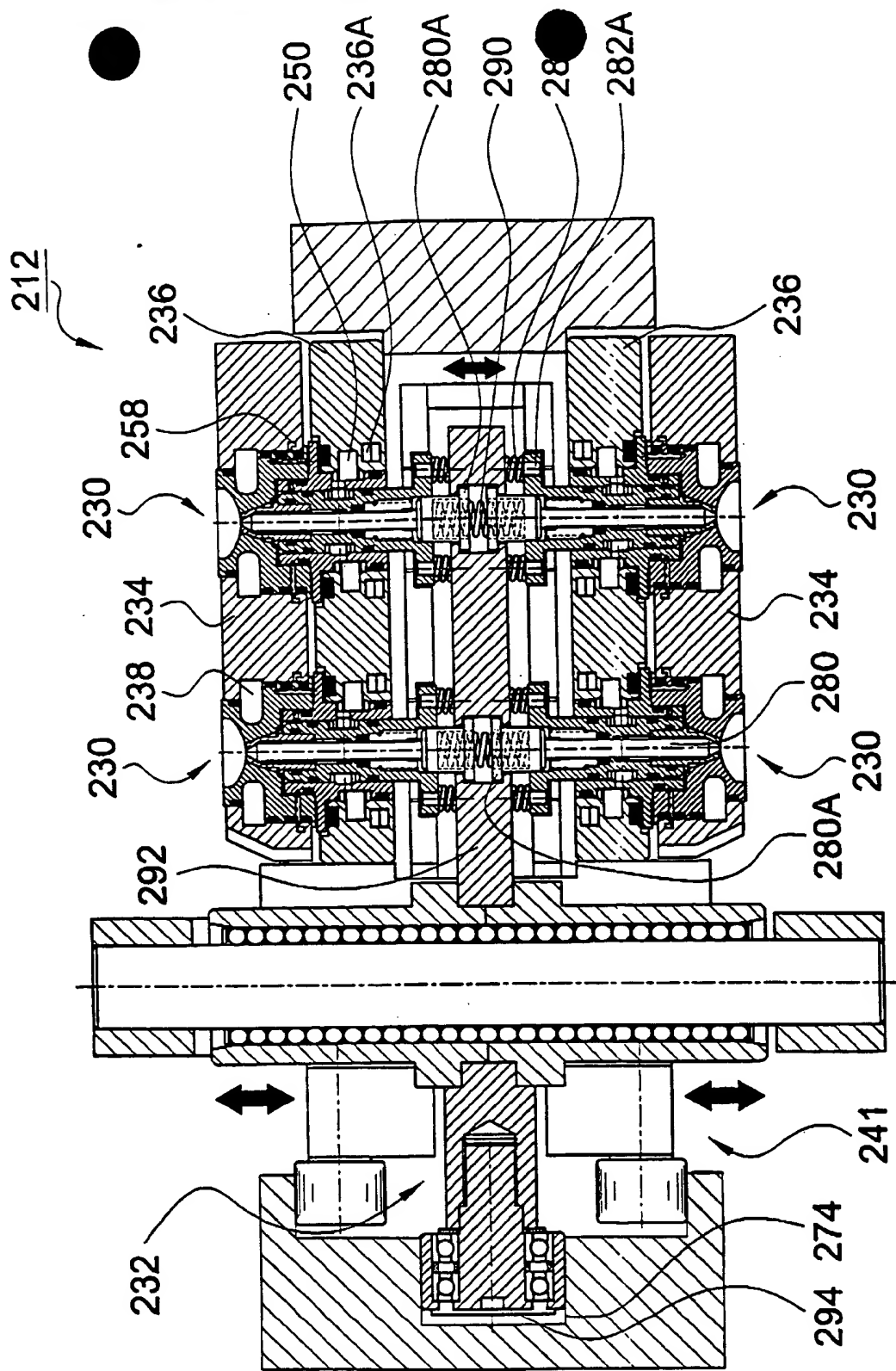


FIG. 41



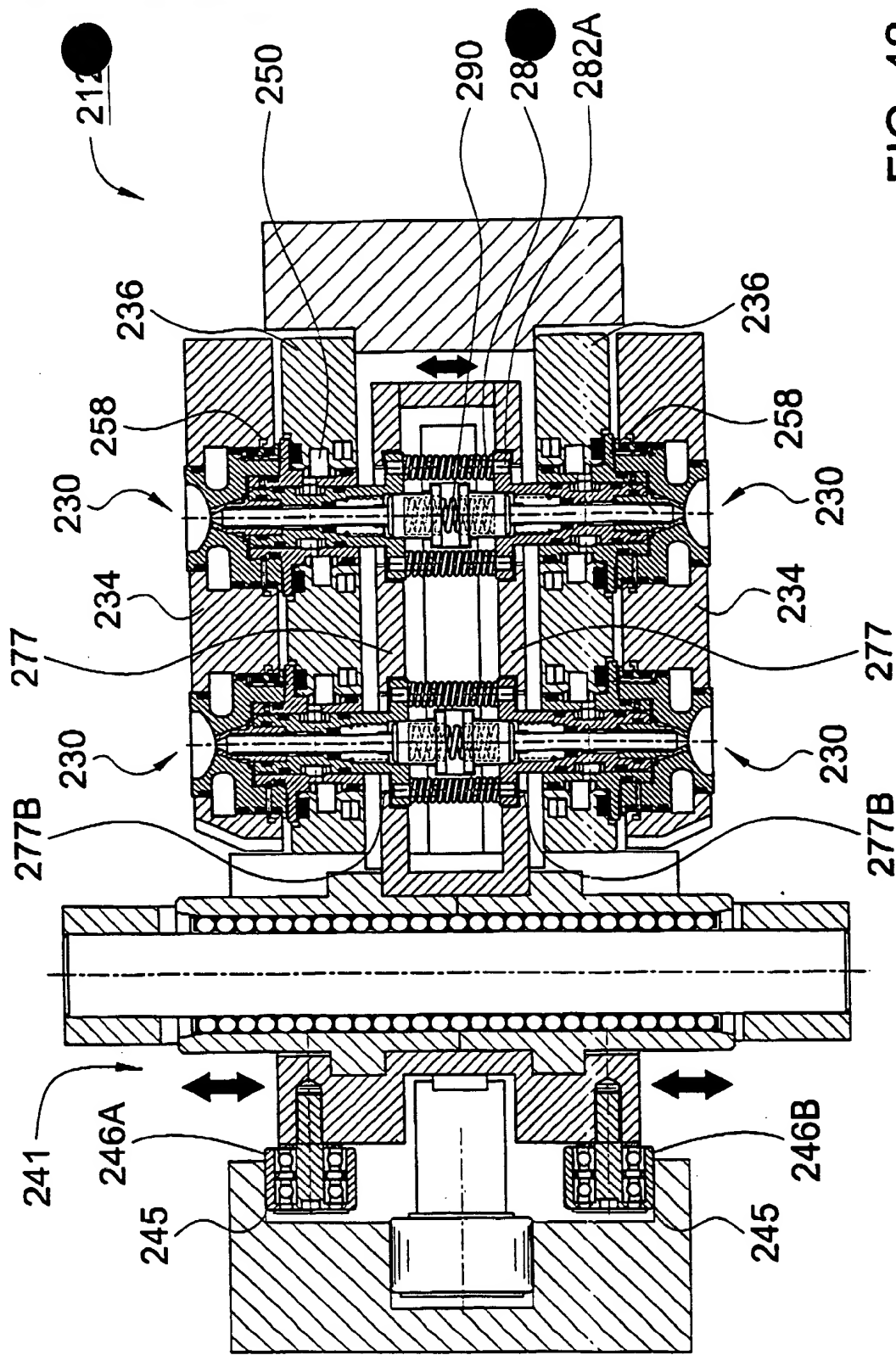


FIG. 42

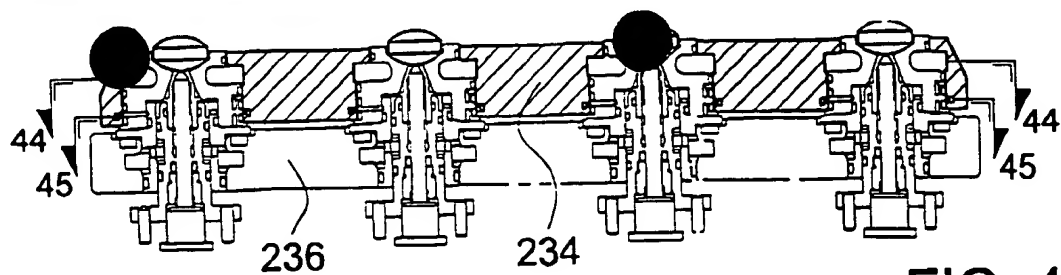


FIG. 43

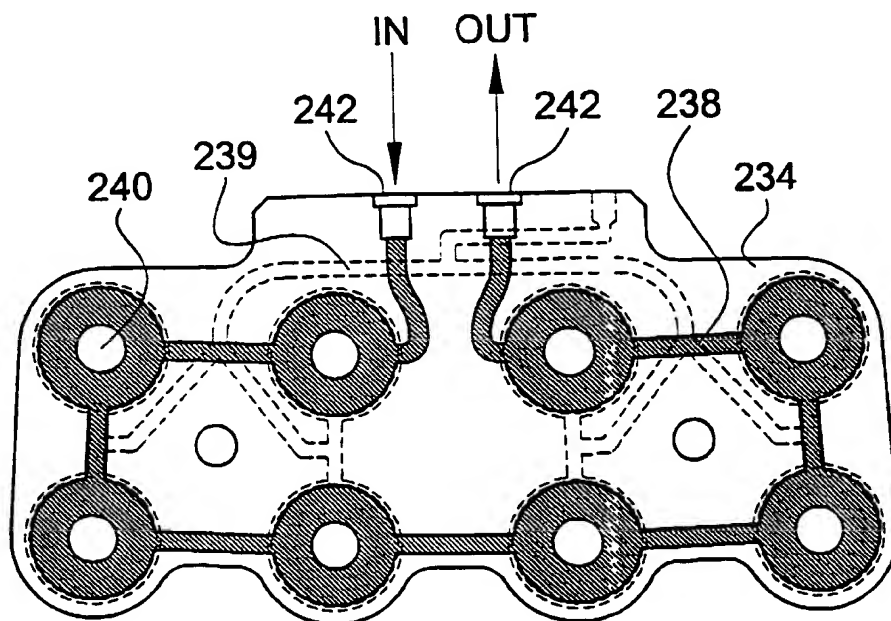


FIG. 44

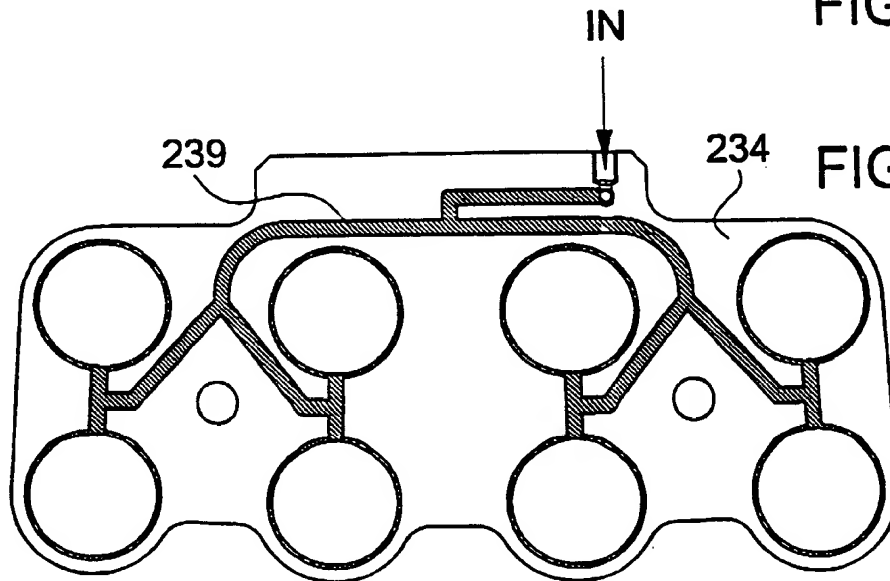


FIG. 45

108260-60599660

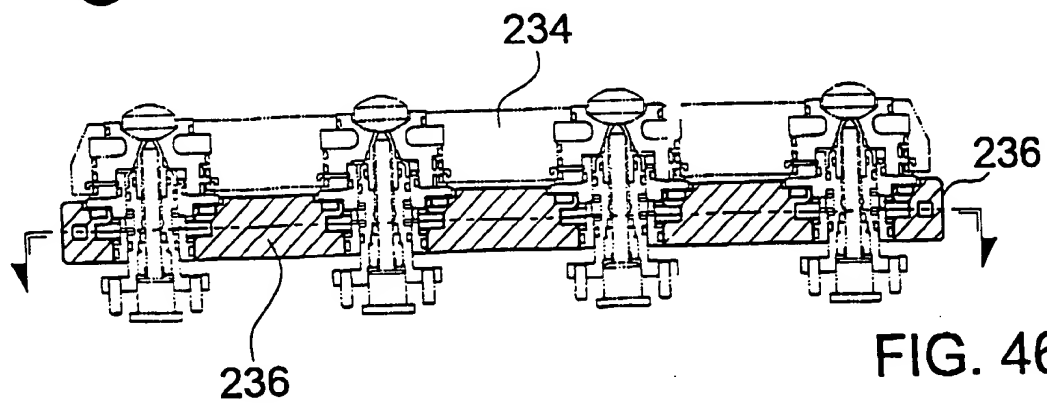


FIG. 46

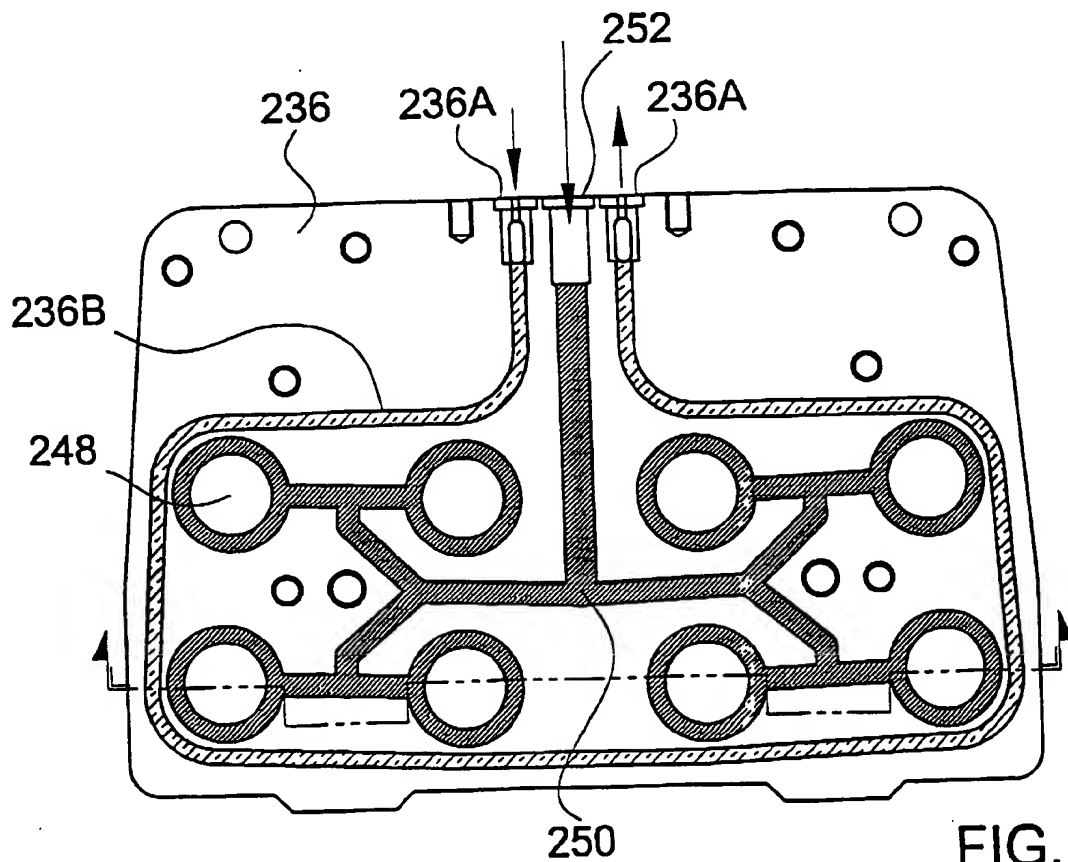
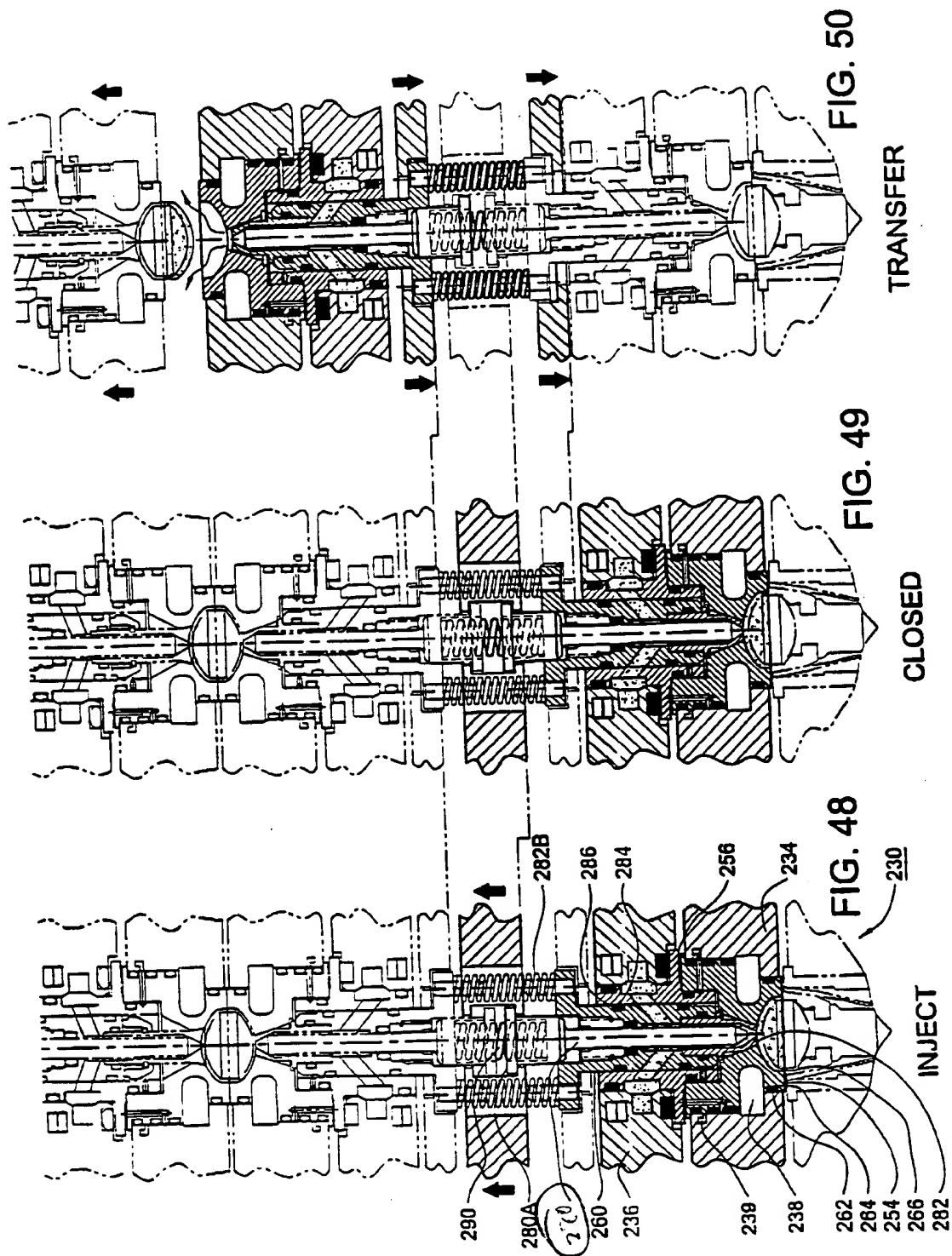


FIG. 47

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108260-00599660

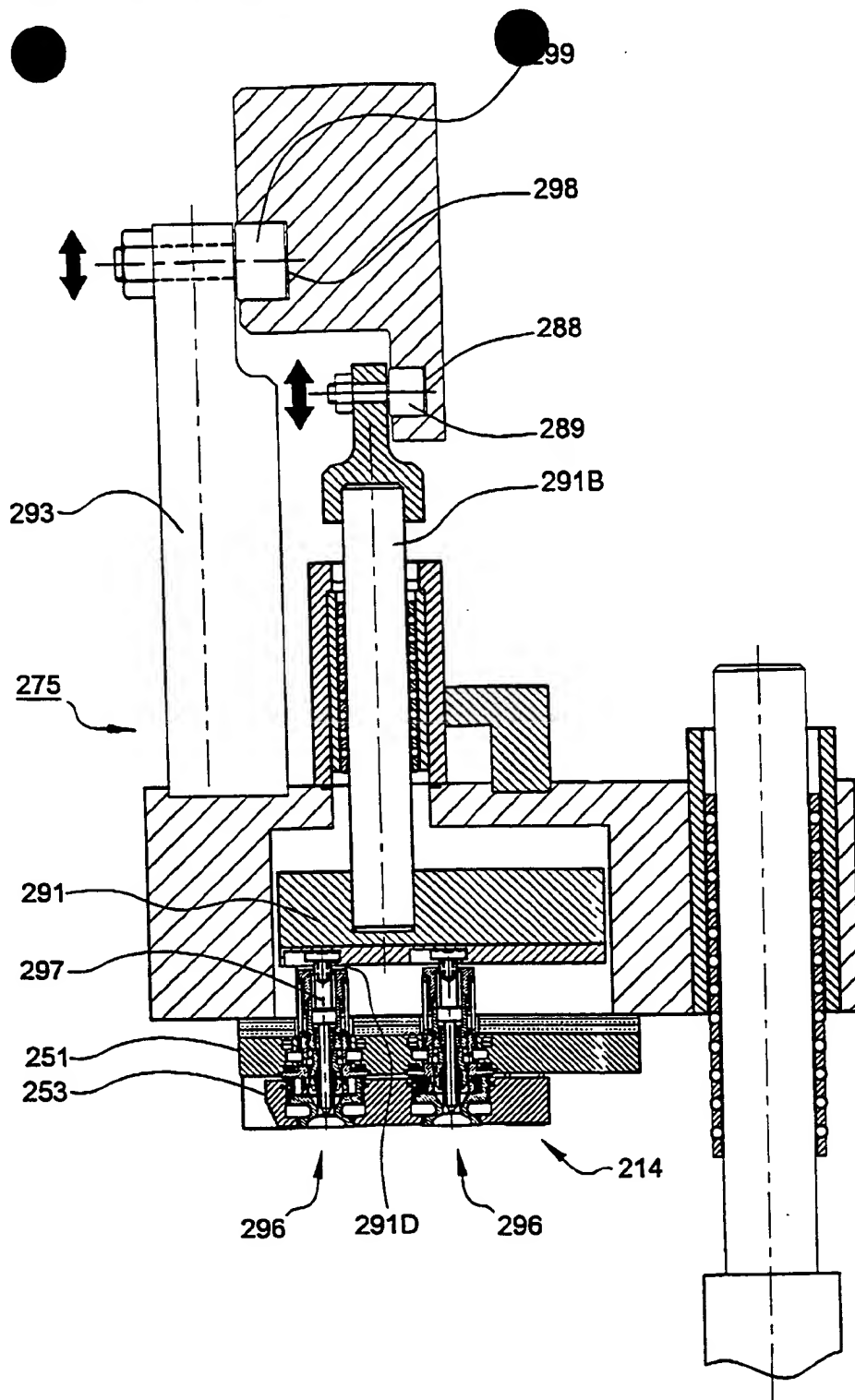


FIG. 51

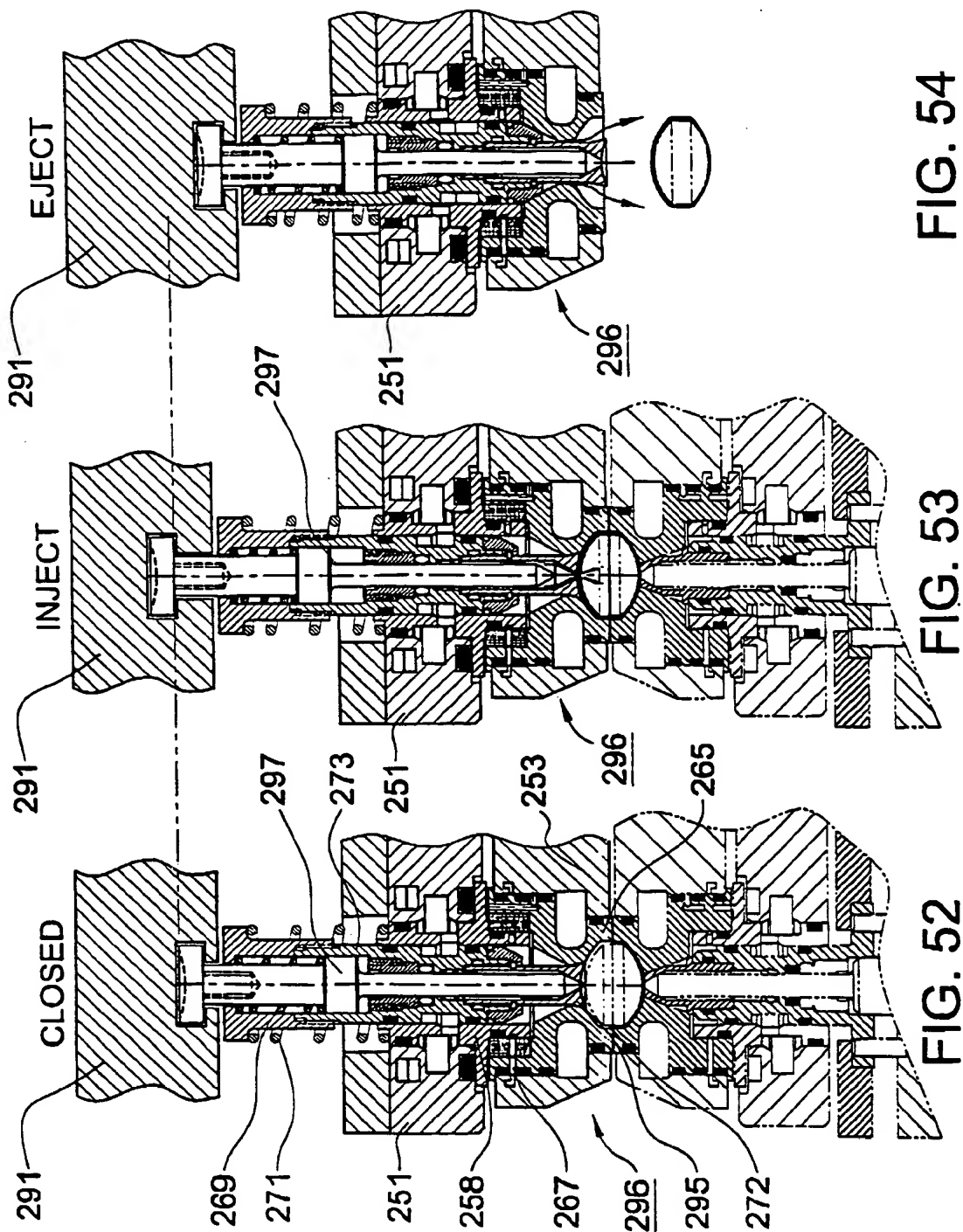


FIG. 54

FIG. 53

FIG. 52

108260-60599660

# HOT CYCLE

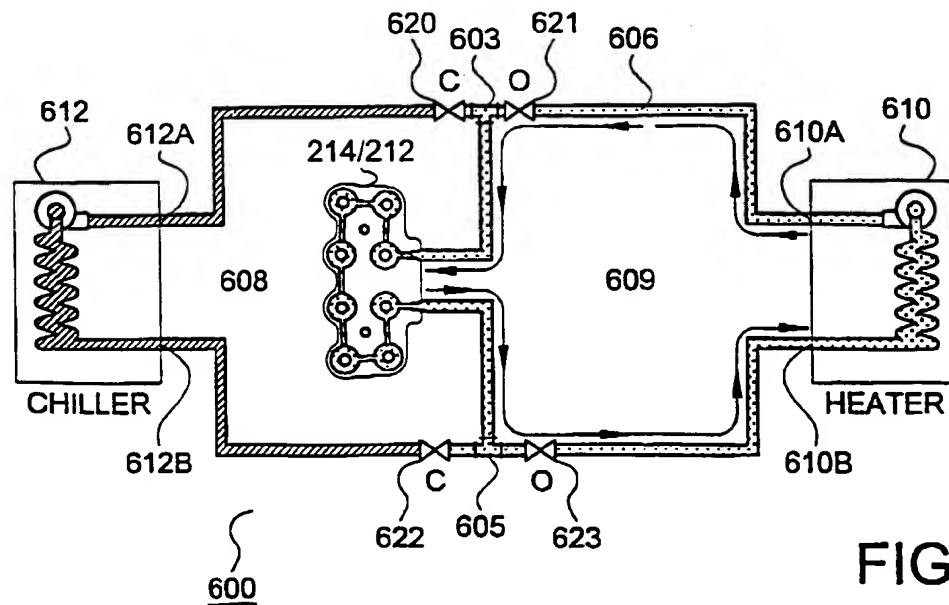
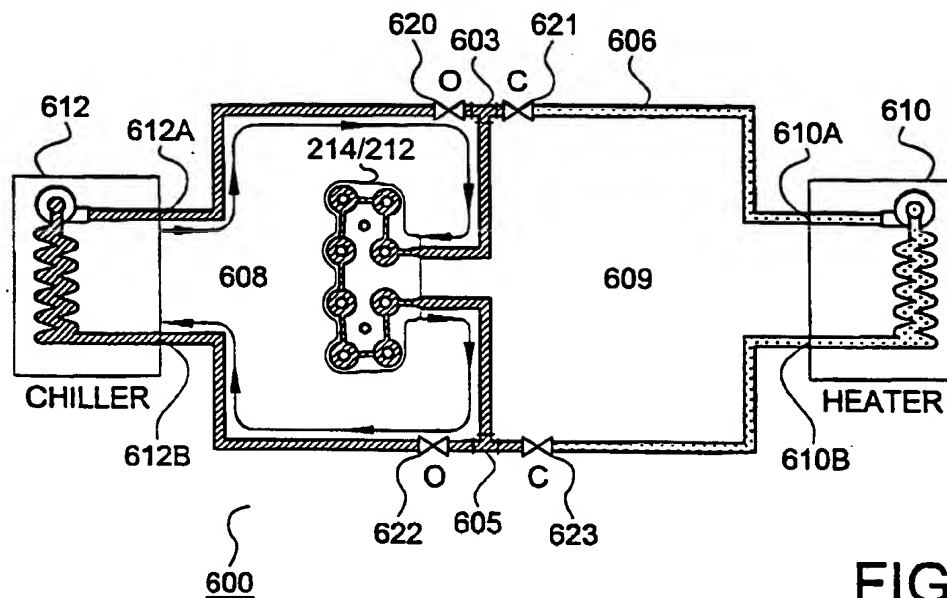


FIG. 55

# COLD CYCLE



O= VALVE OPEN  
C= VALVE CLOSED

FIG. 56

FIG. 57

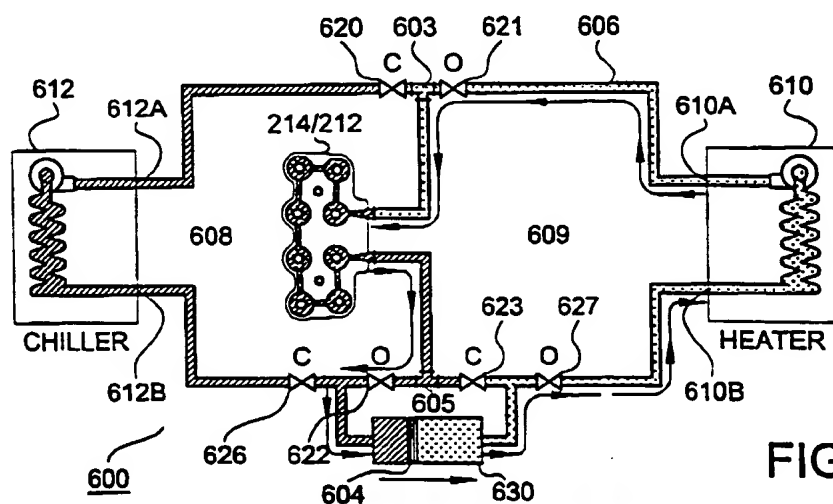


FIG. 58

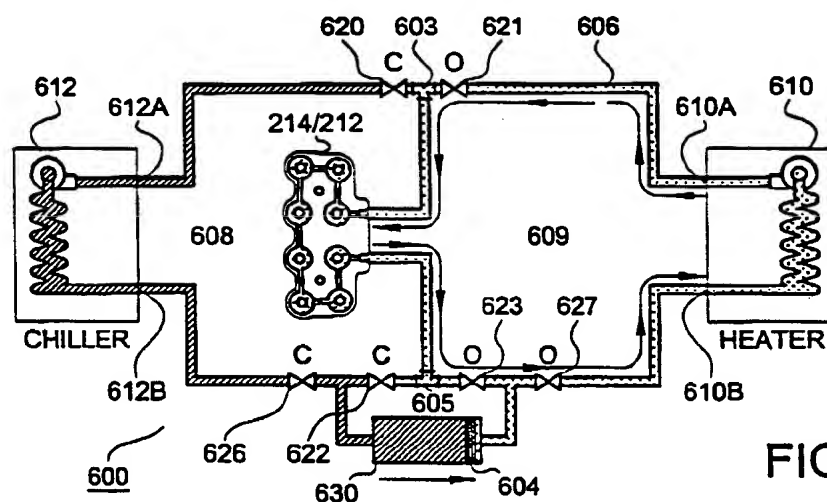


FIG. 59

O= VALVE OPEN  
C= VALVE CLOSED



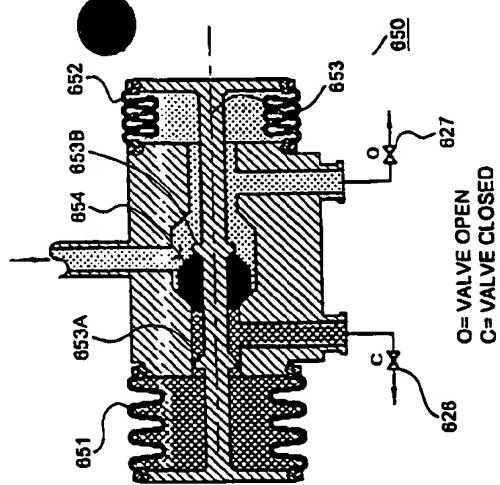
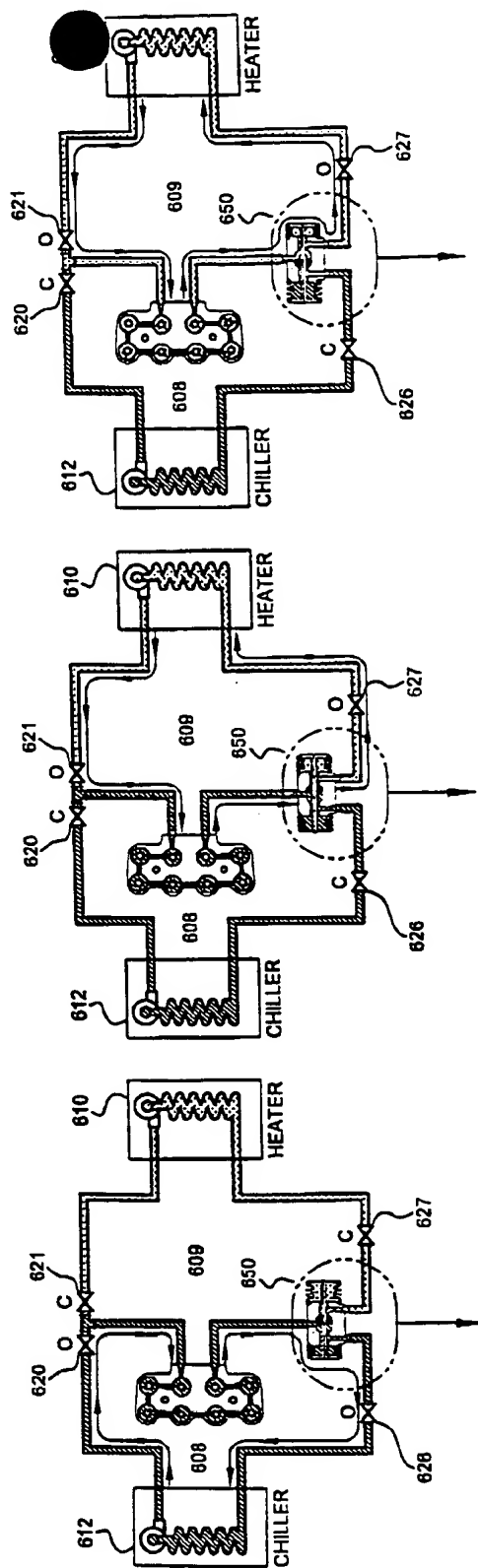


FIG. 62

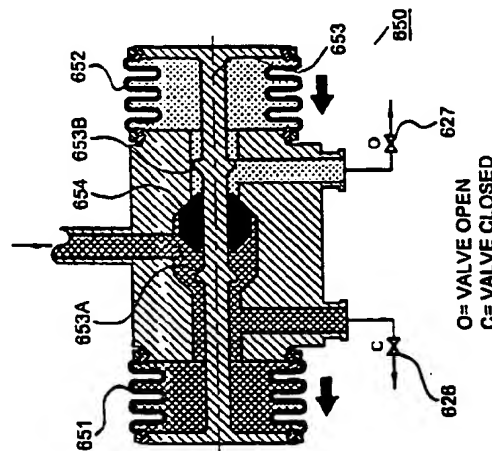


FIG. 61

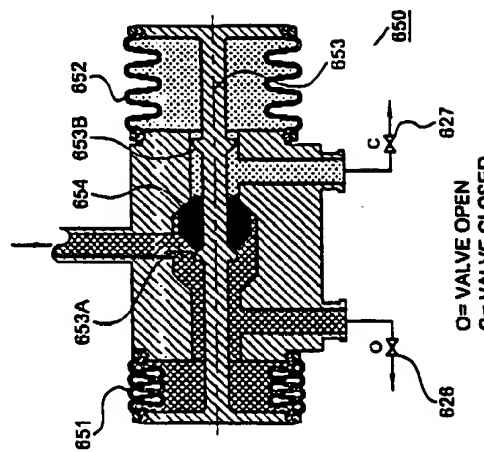


FIG. 60

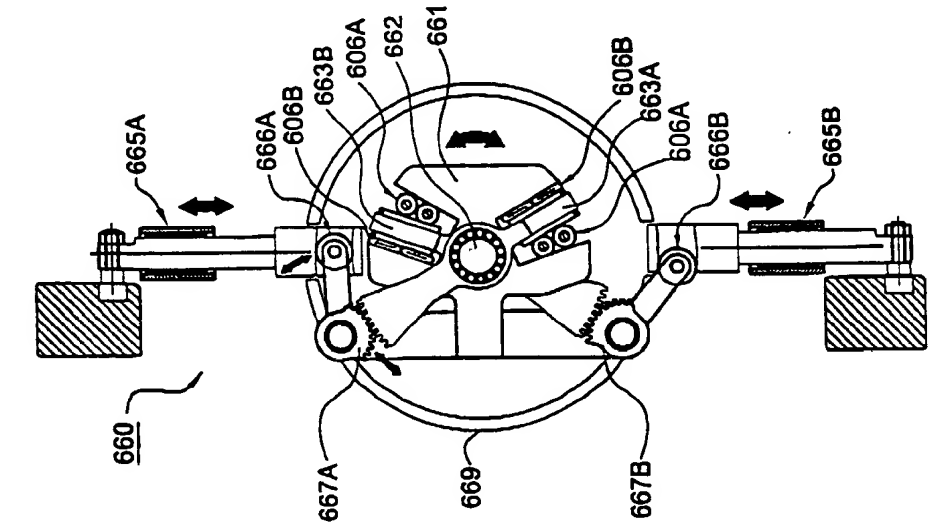


FIG. 63

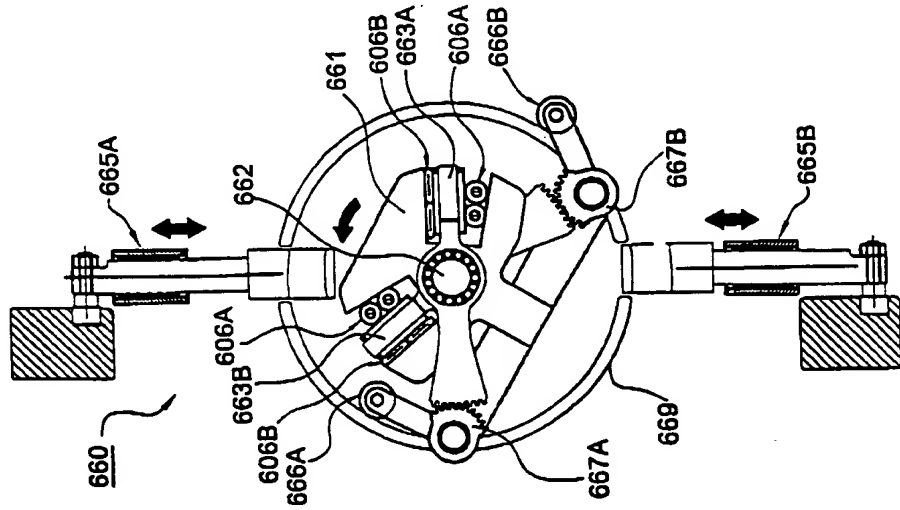


FIG. 64

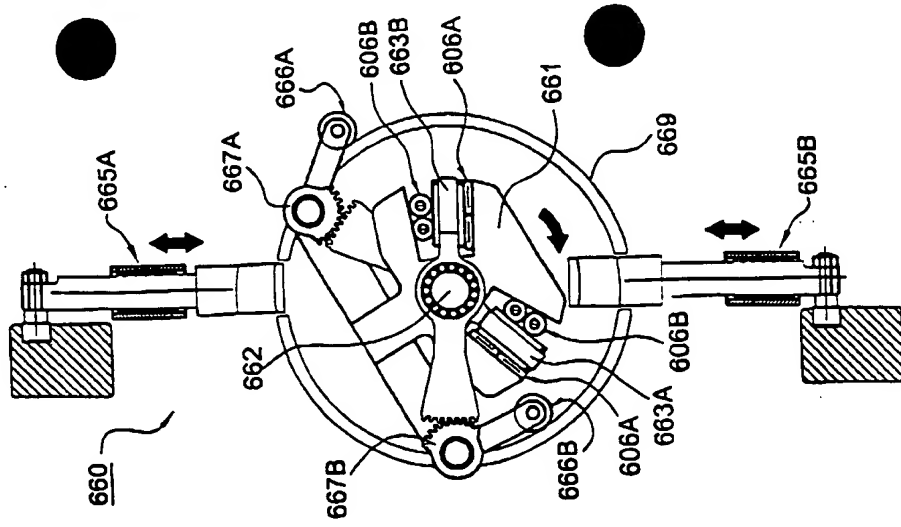


FIG. 65

108260-60999660

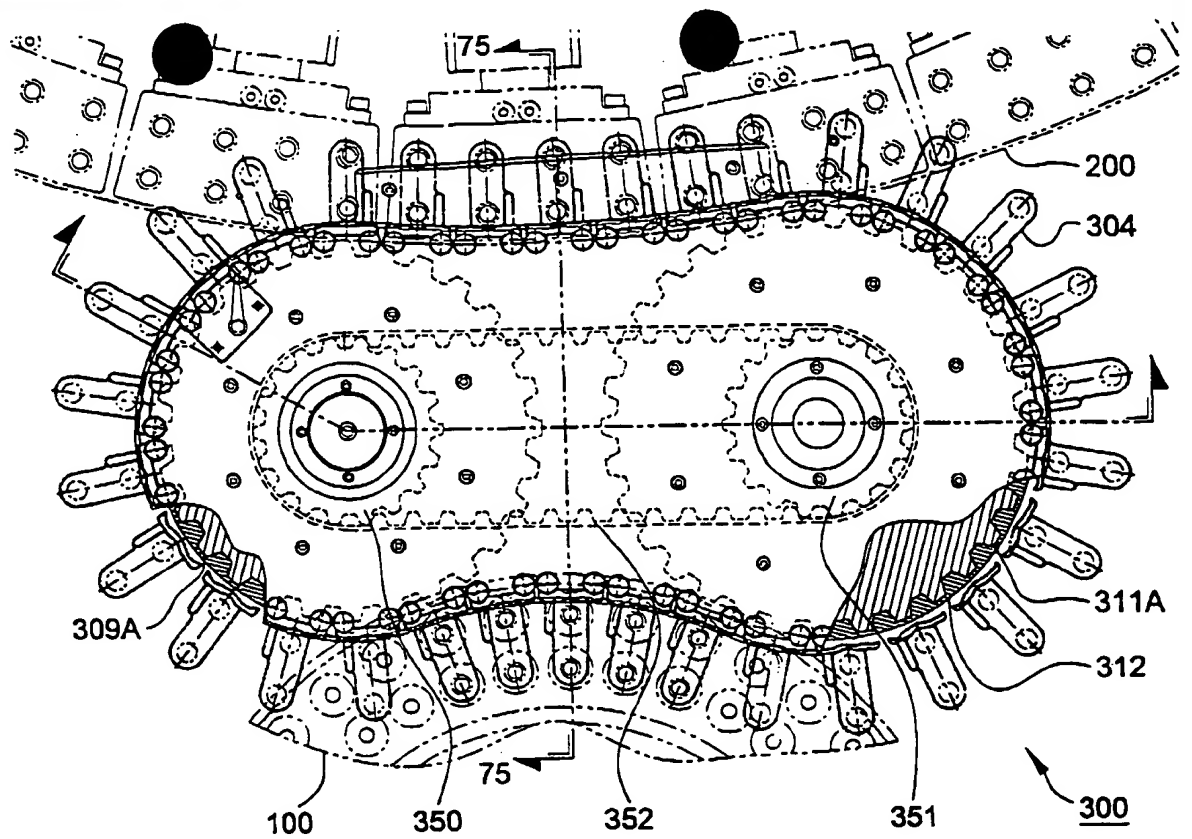


FIG. 68

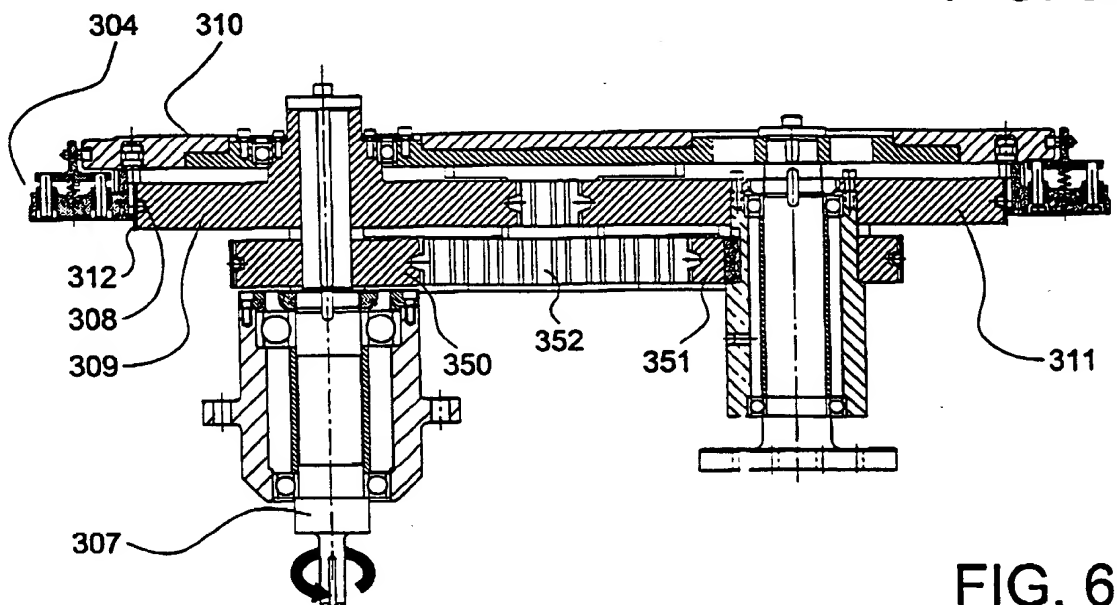


FIG. 69

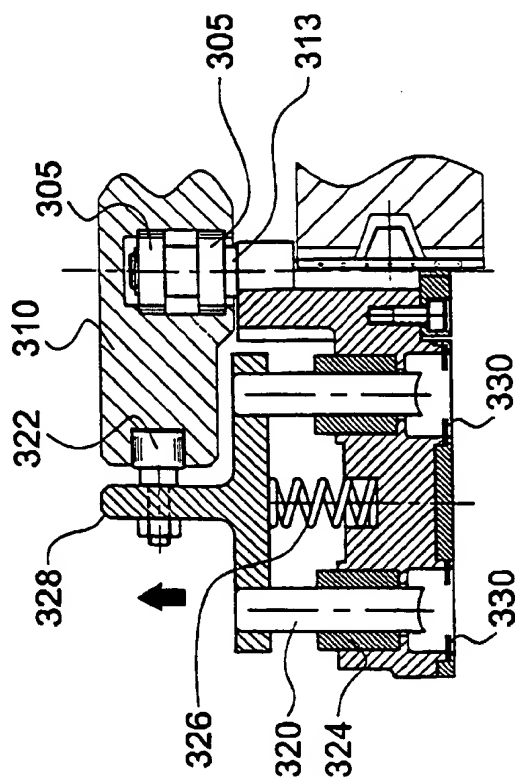


FIG. 70

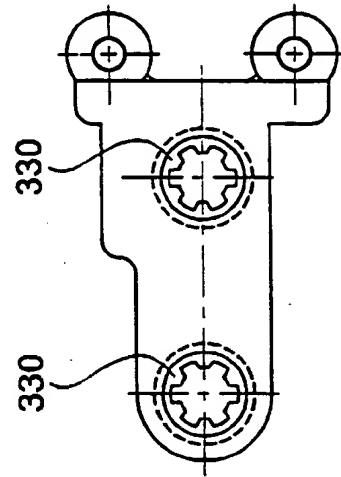


FIG. 71

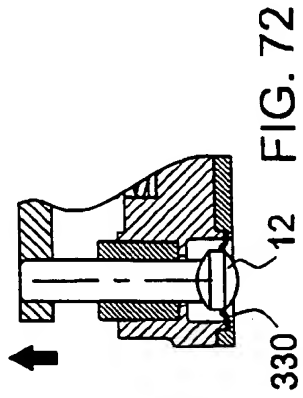


FIG. 72

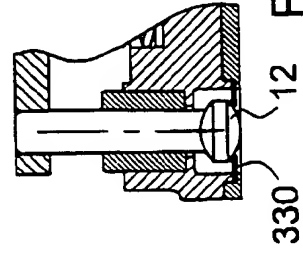


FIG. 73

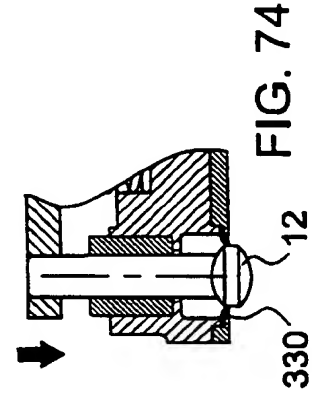


FIG. 74

TOP260" 60599660

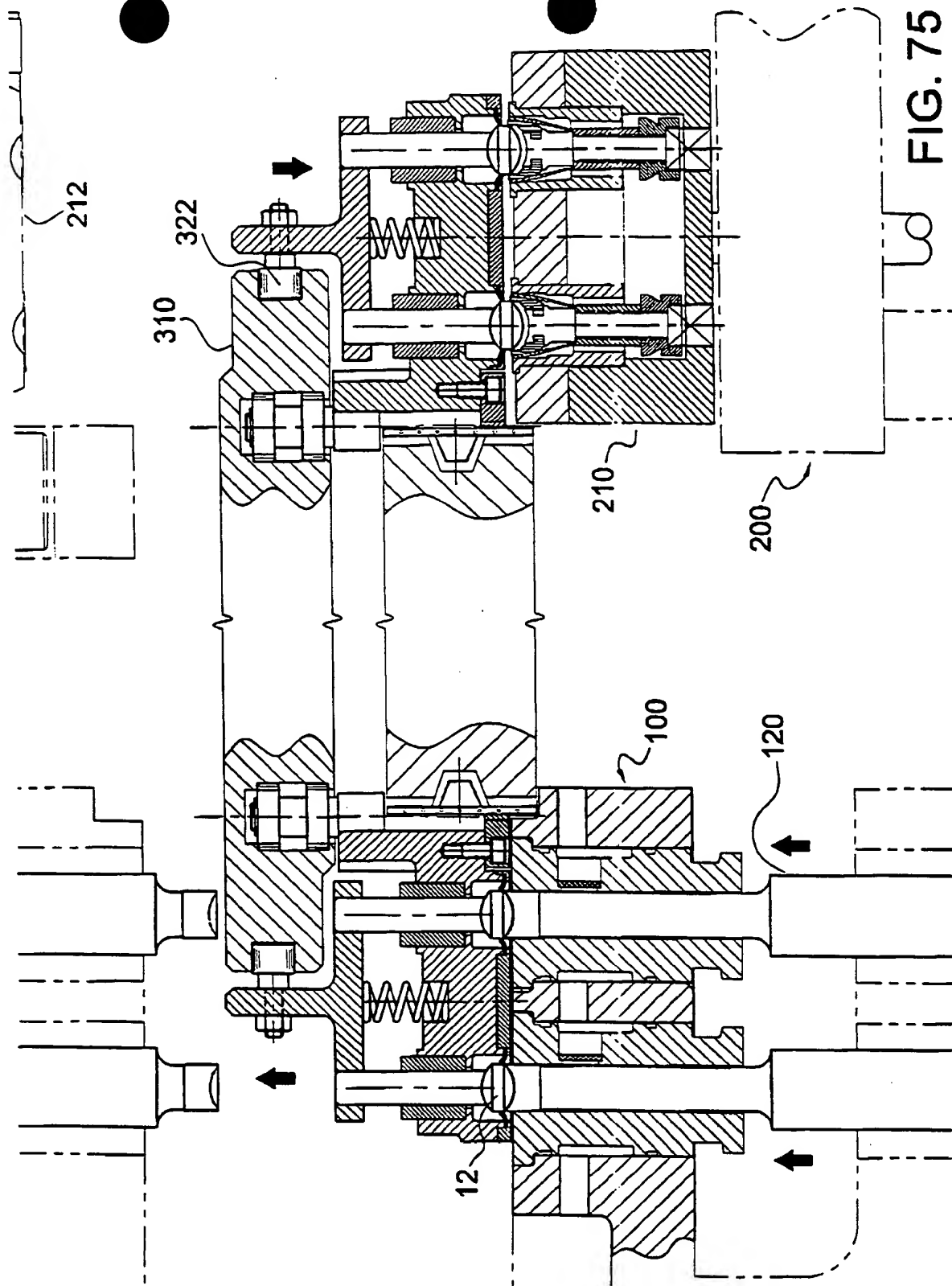


FIG. 75

108260-09881

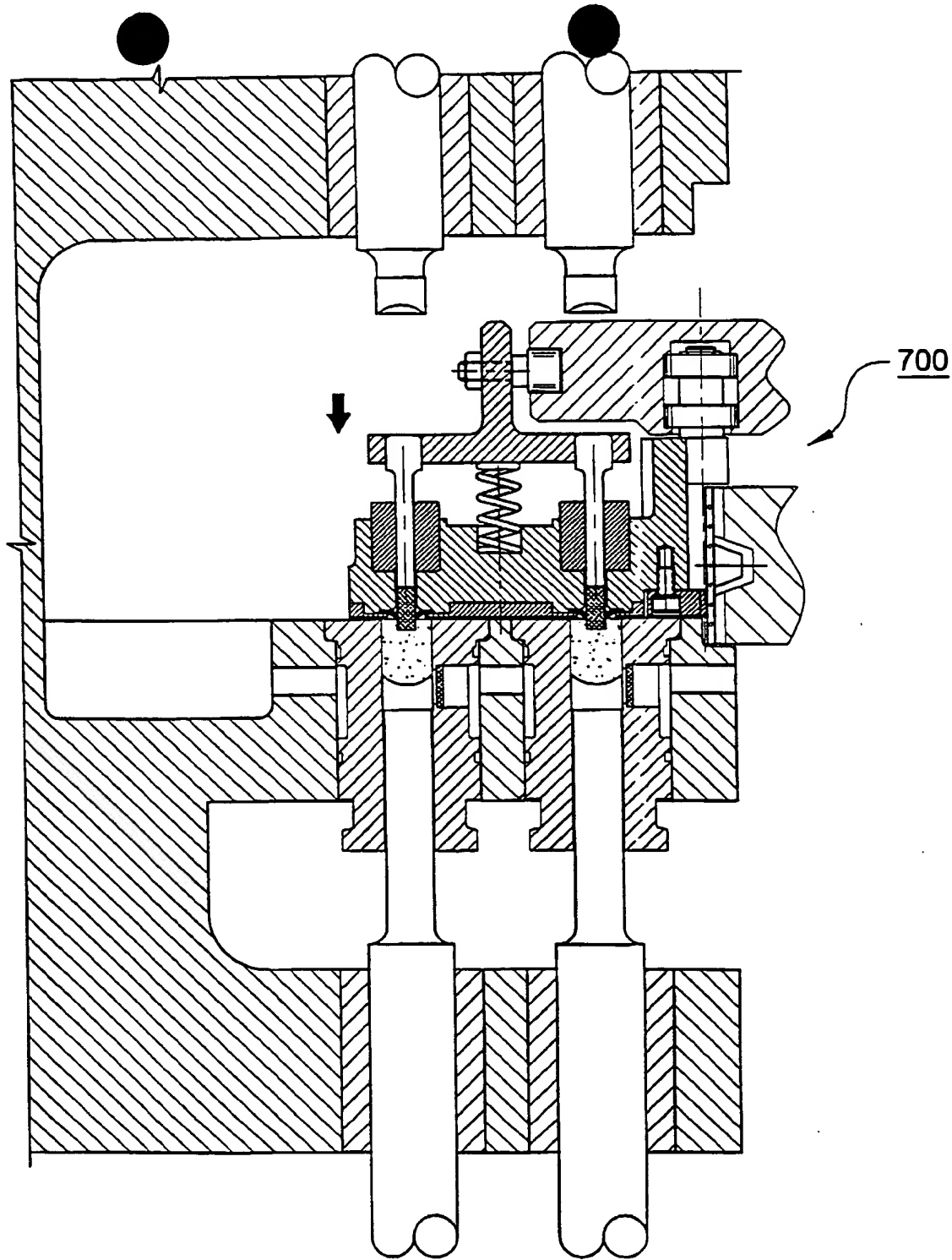


FIG. 76

FIG. 77

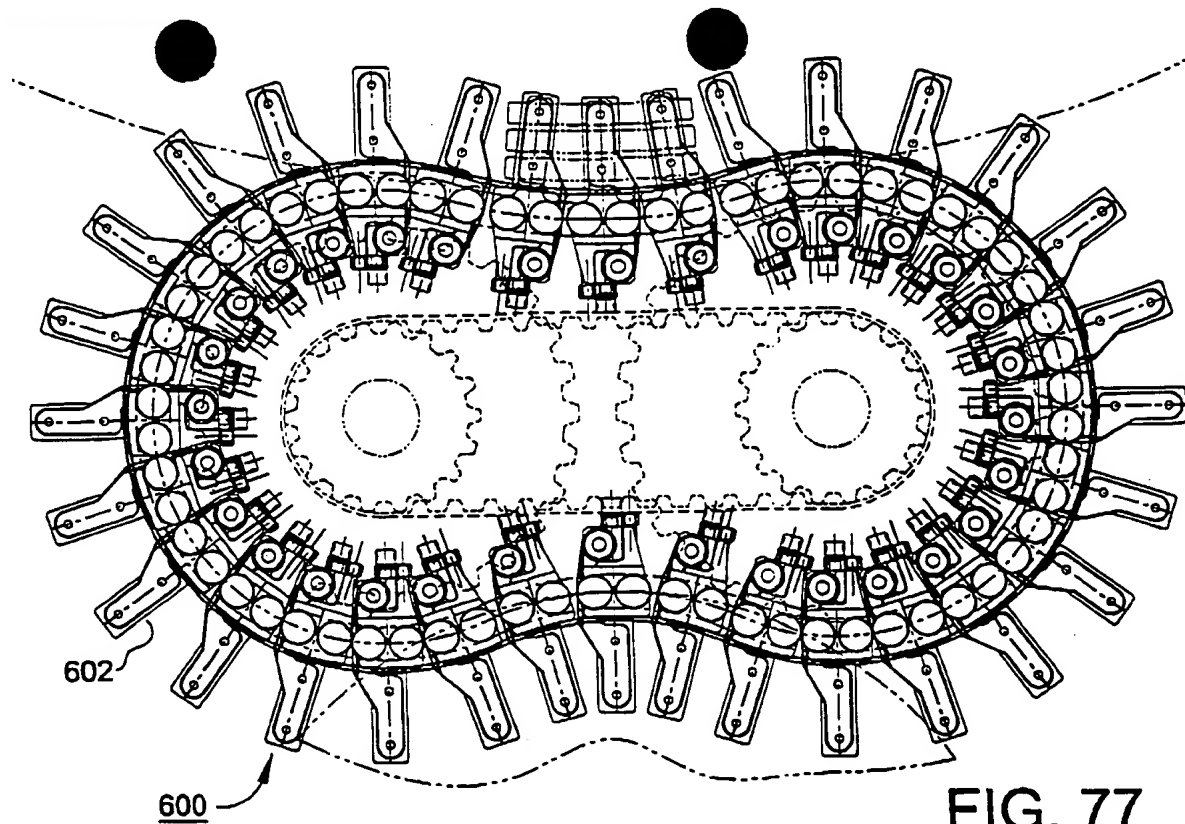


FIG. 77

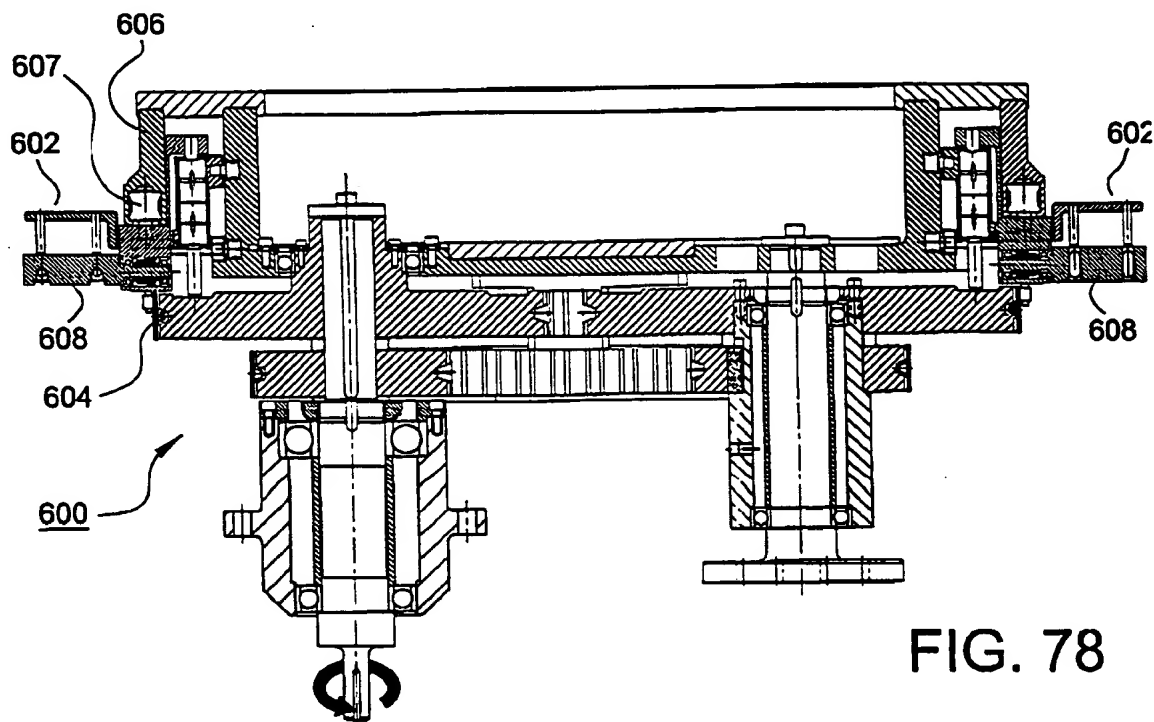


FIG. 78

T08260" 60599660

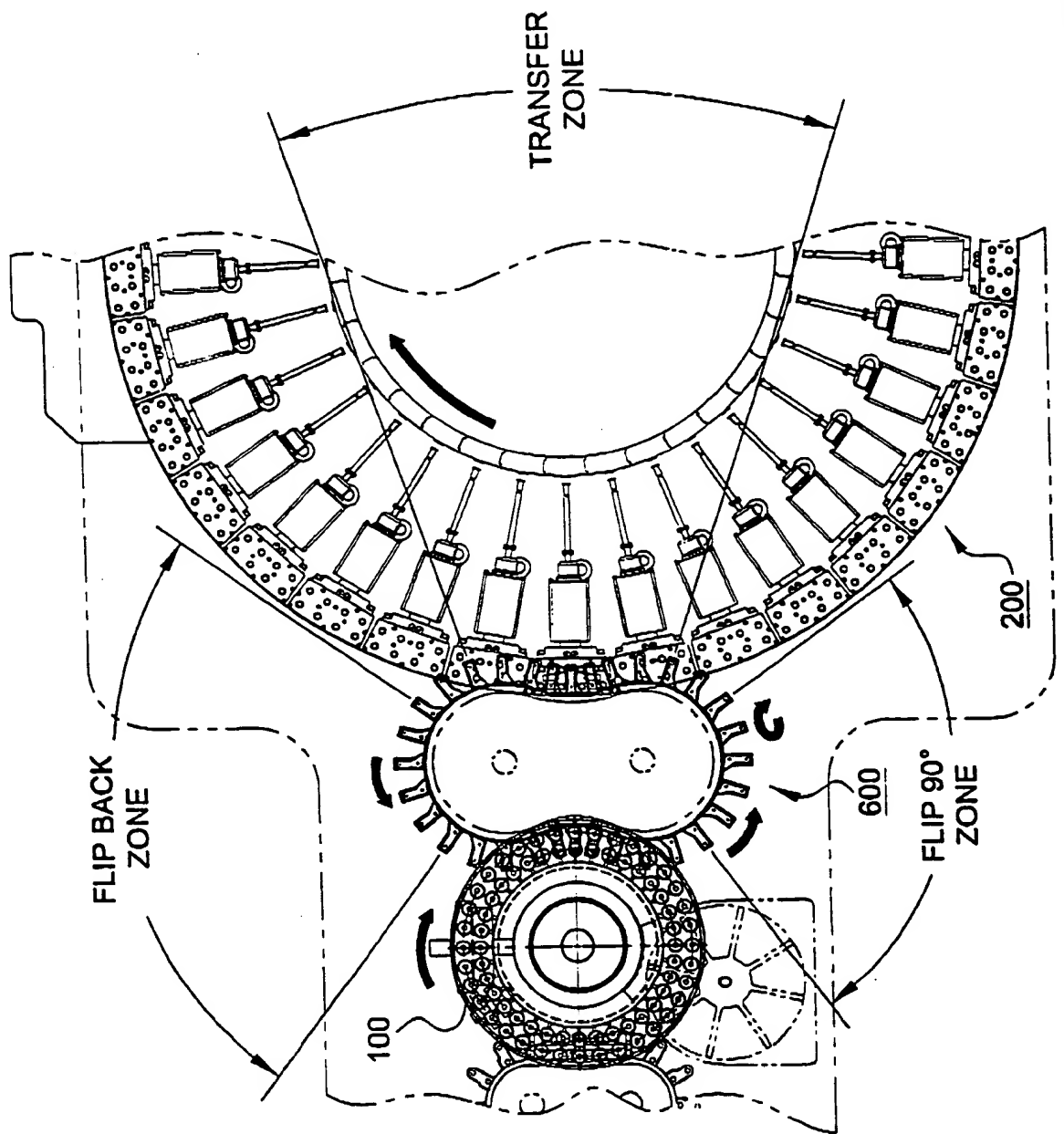


FIG. 79



10966509.092801

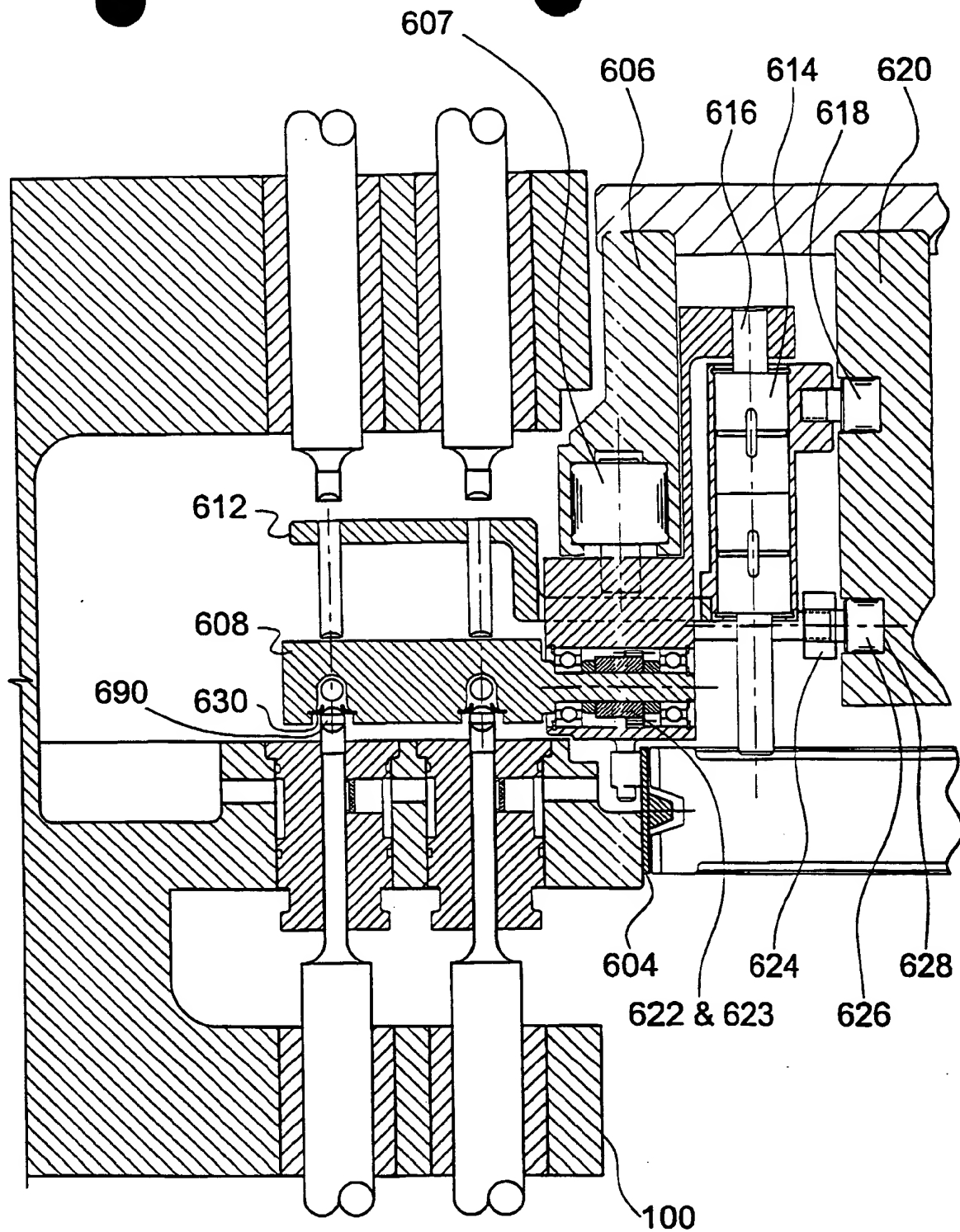


FIG. 80

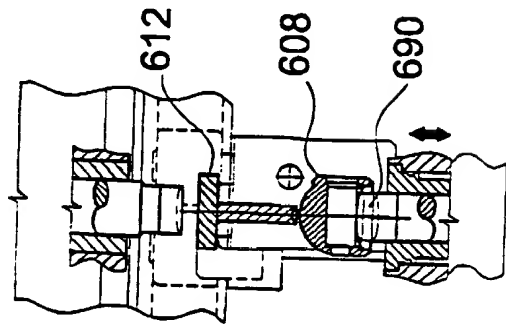


FIG. - 81A

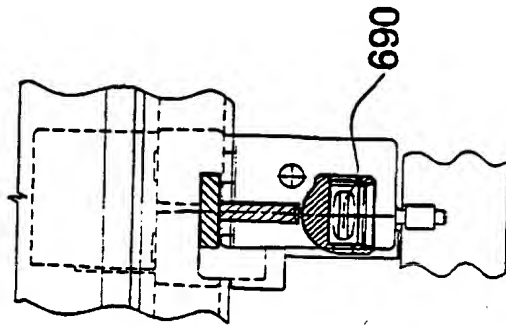


FIG. - 81B

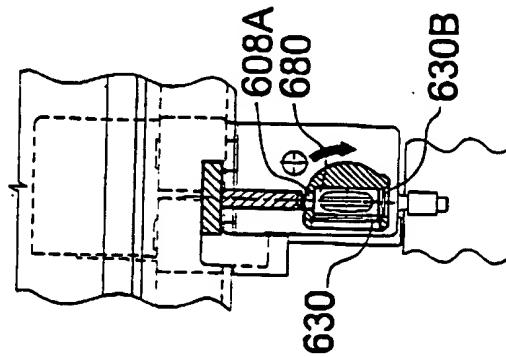


FIG. - 81C

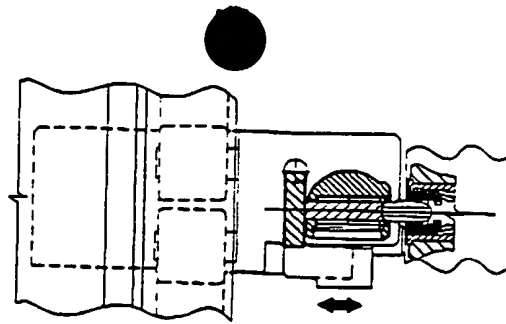


FIG. - 81D

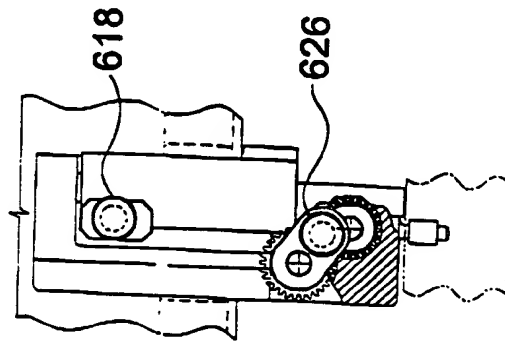


FIG. - 81E

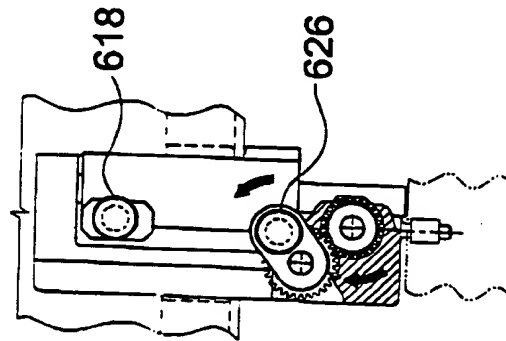


FIG. - 81F

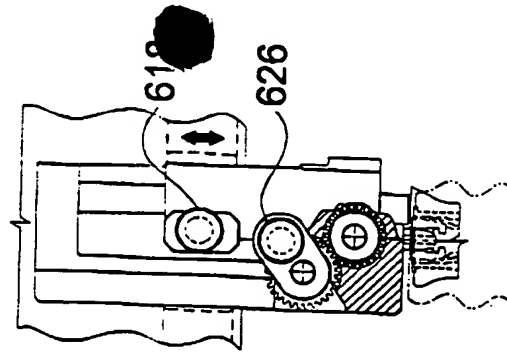


FIG. - 81G

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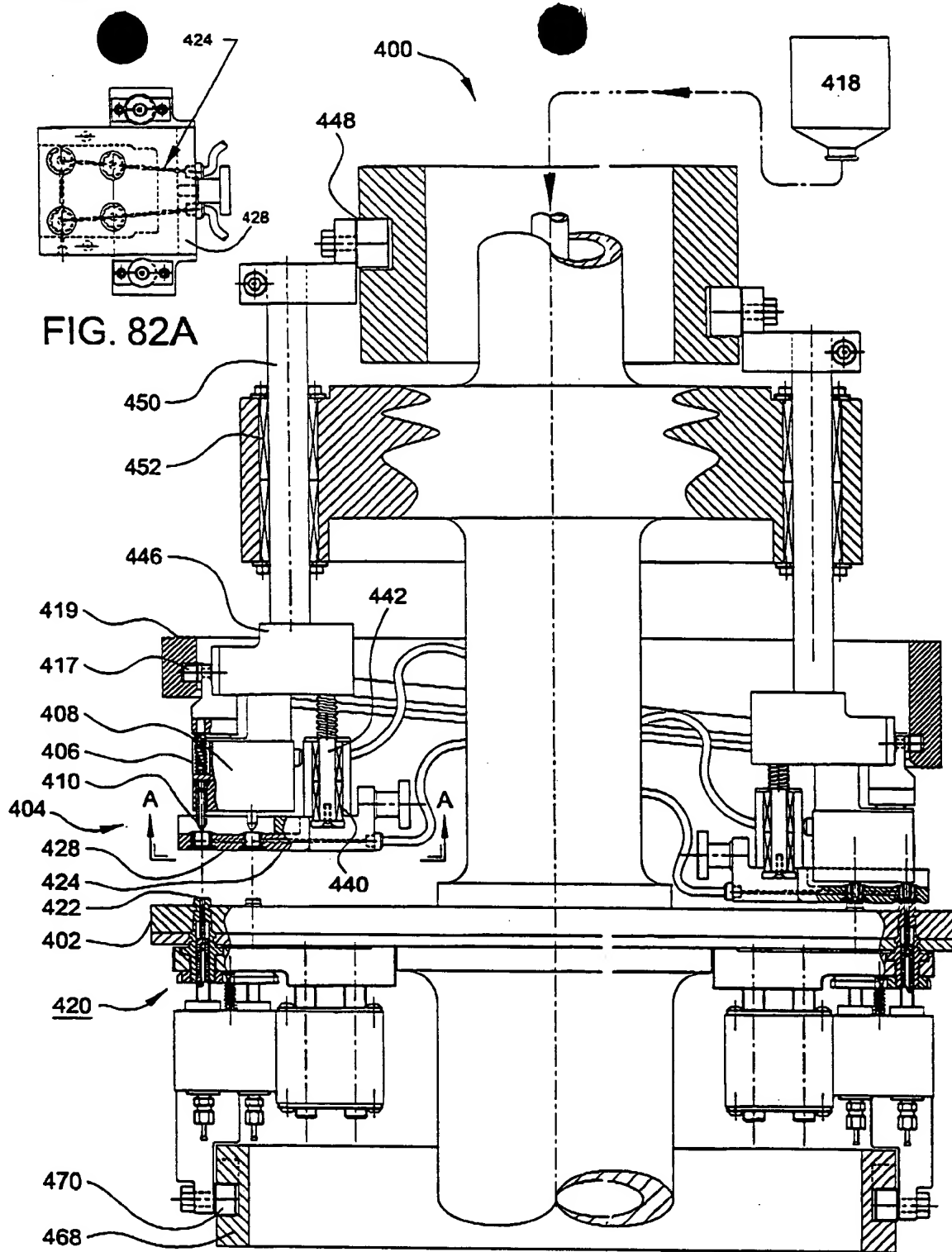
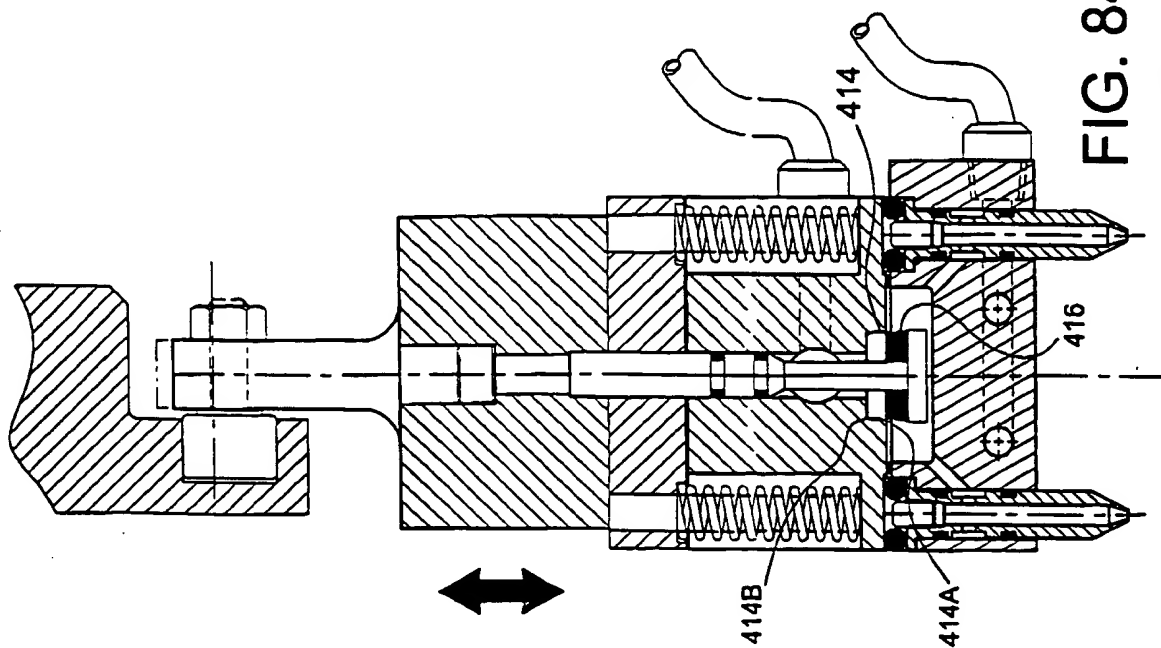
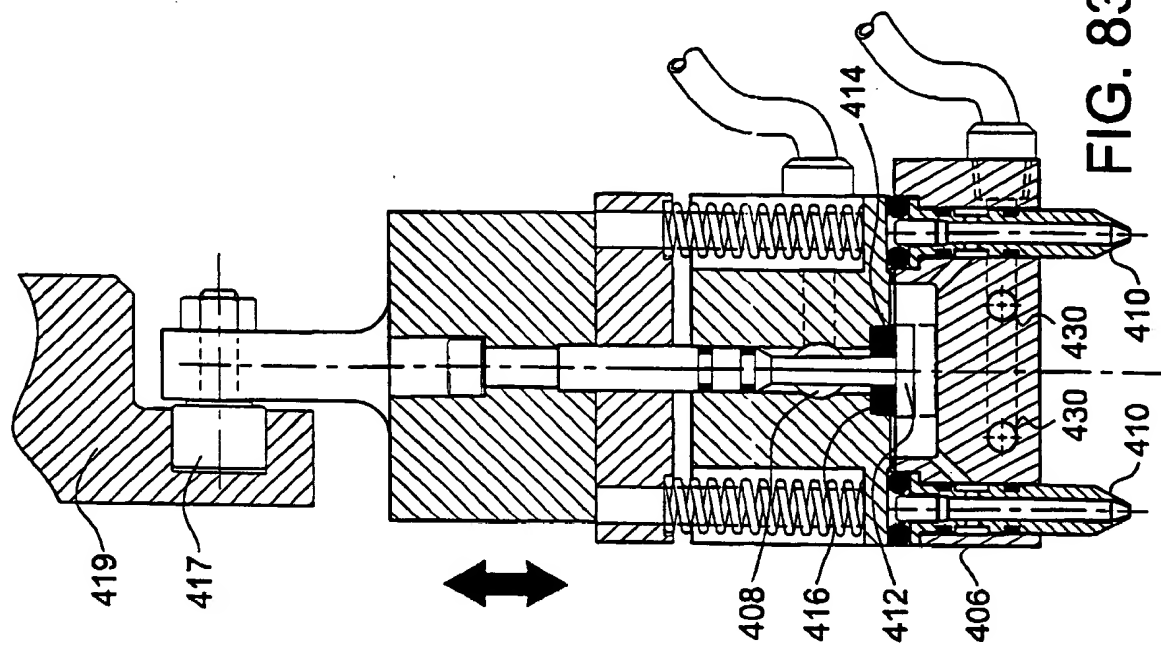


FIG. 82



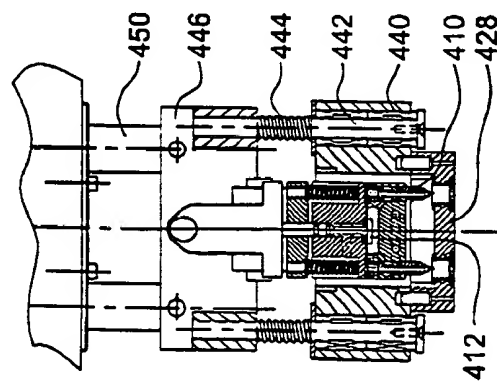


FIG.- 85A

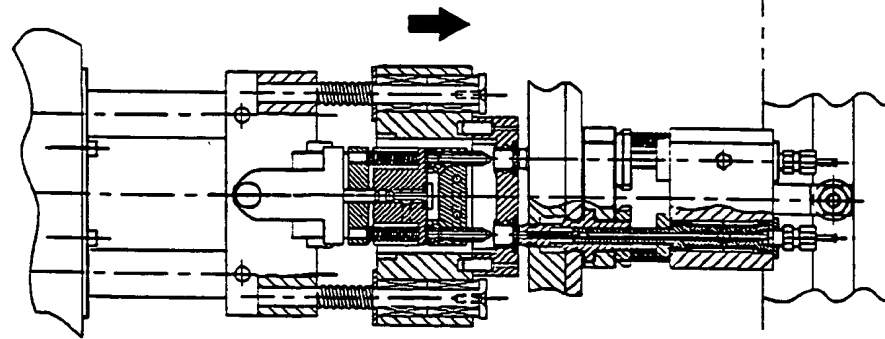


FIG. - 85B

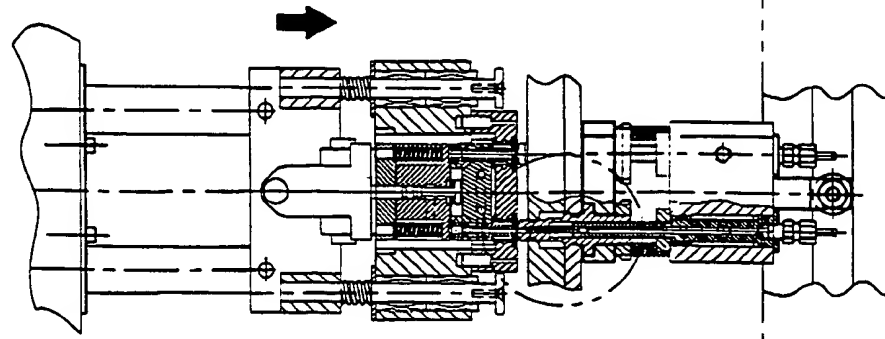


FIG.- 85C

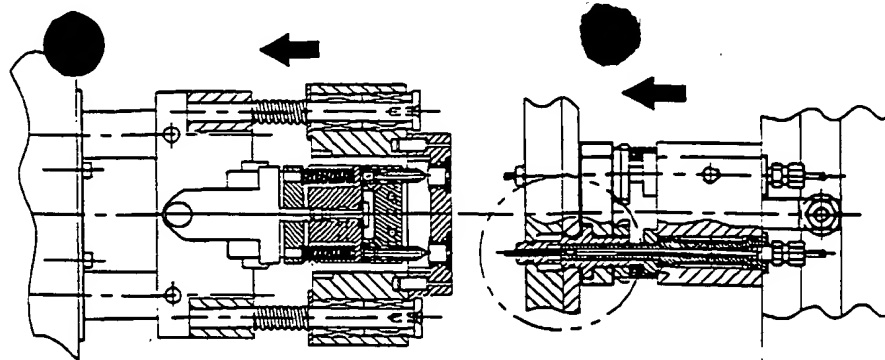


FIG.- 85D

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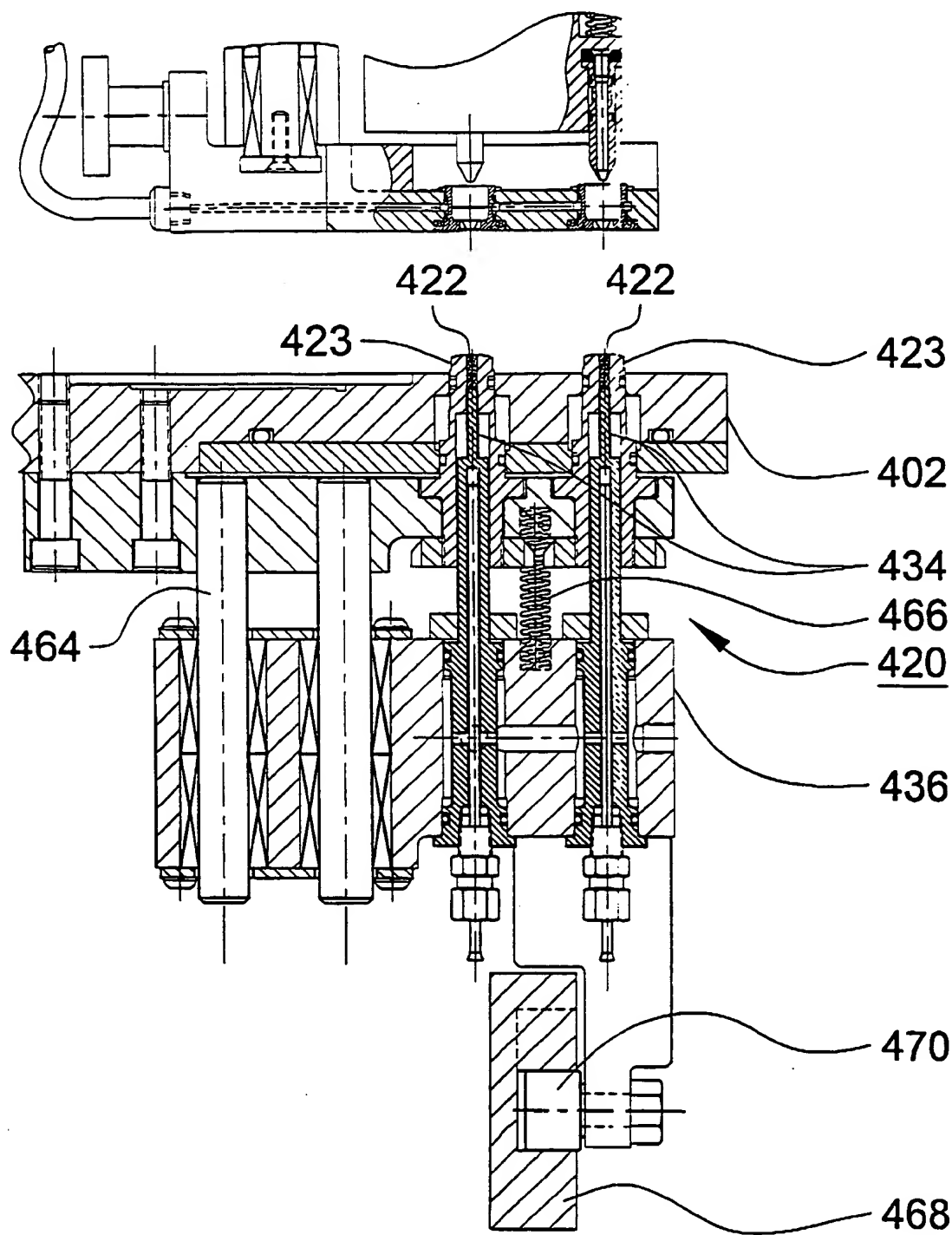


FIG. 86

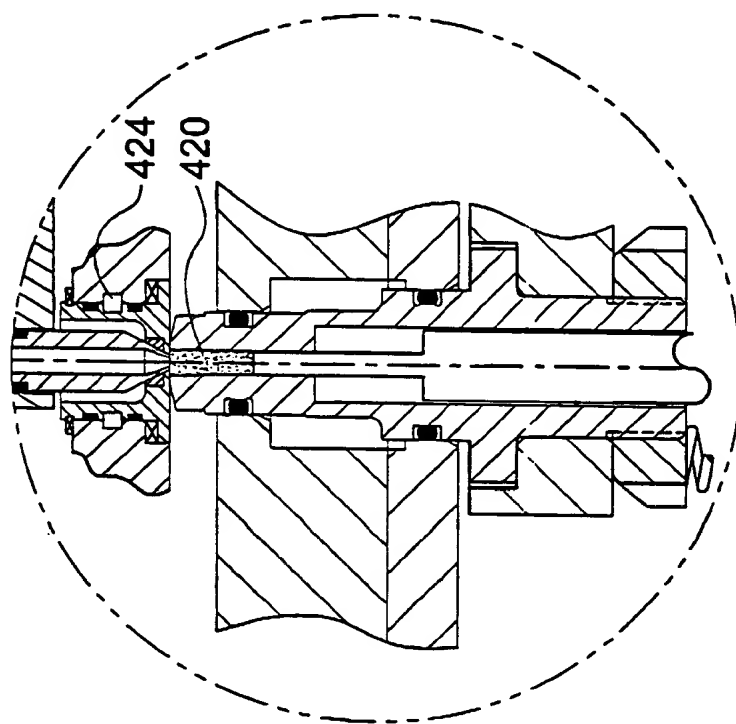


FIG. 87

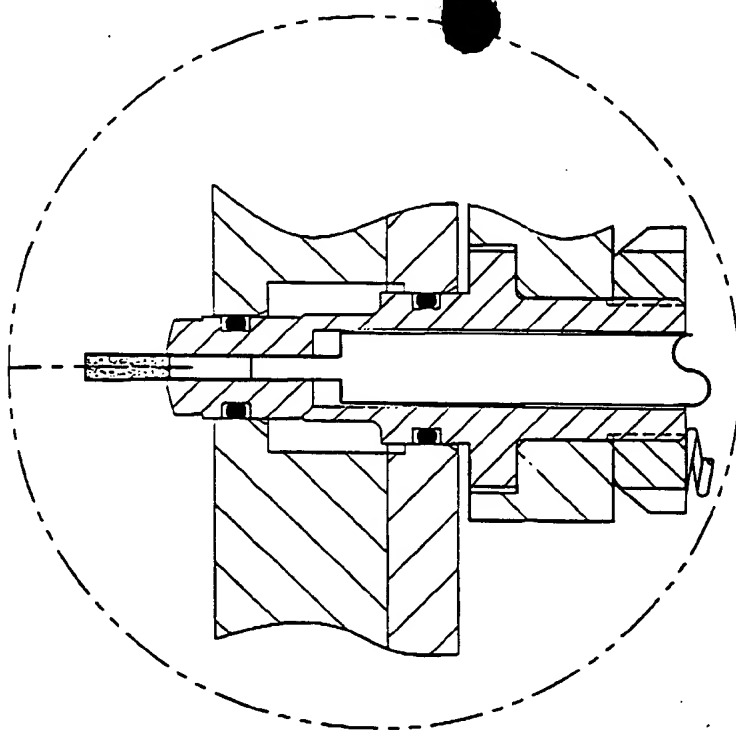


FIG. 88

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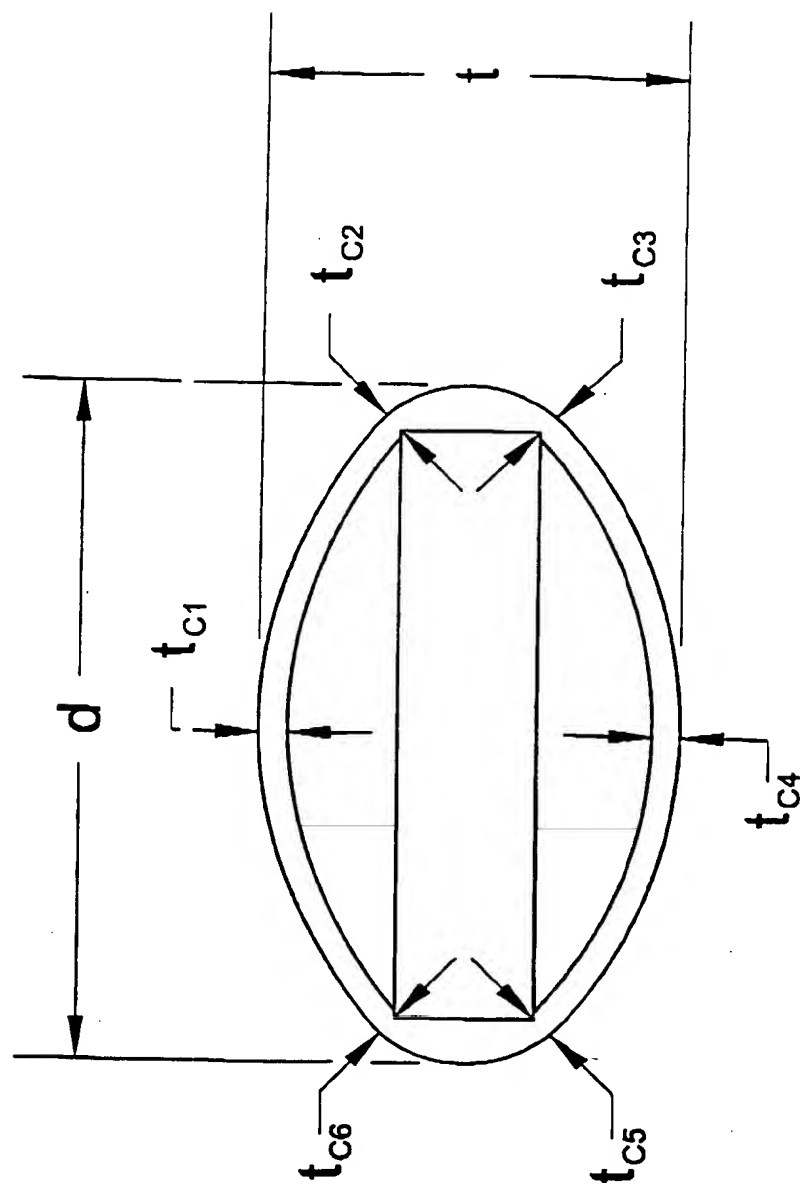


FIG. 89